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The

# CHEMIST AND DRUGGIST

For RETAILER - WHOLESALER - MANUFACTURER

founded 1879

28 Essex Street, Strand, London, W.C.2

Registered as a Newspaper

3 2 4 7  
XXXVII

MAY 2, 1942

Annual Subscription (with  
Diary) 25/- Single Copies 9d.

## Surgical Ligatures

1871 -

1941

Few firms can claim to equal our record of nearly three-quarters of a century in the preparation of Surgical Catgut. Since 1871, when we had the privilege of preparing Antiseptic Ligatures under the personal supervision of Lord Lister, at that time experimenting with absorption of Catgut, we have regularly prepared ligatures for the leading surgeons and hospitals in the country.

To-day our product, Sterilized Surgical Ligatures (Catgut), is still in the lead. As a result of several years of careful work, during which all stages were co-ordinated with clinical and bacteriological tests carried out by experts, our process makes available a product that is acclaimed by the surgeons of to-day as one of the finest ranges of suture materials available.

## J. F. MACFARLAN & CO.

Manufacturing Chemists since 1780

109, Abbeyhill,  
Edinburgh, 8.8, Elstree Way,  
Boreham Wood, Herts.

*a*  
**SOUND  
LINE**

# *Euthymol*

**TOOTH PASTE**

**NO REDUCTION  
IN PRICE  
NO REDUCTION  
IN PROFIT  
NO SMALL SIZES  
ALWAYS ON THE P.A.T.A.**

**PARKE, DAVIS & CO.,  
L O N D O N W.I.,**



# Show 'Elasto'—It Sells on Sight!

It's advertised as a Chemist's Line



## ONE SHILLING AND SIXPENCE PROFIT ON EVERY SALE

ELASTO Advertising is Nation-wide and Consistent. An ever-increasing demand for this product is being created at your very door; a slight effort on your part will bring this new and profitable business to your counter. An 'Elasto' showcard displayed in your window will bring most gratifying results. You can recommend 'Elasto' with confidence for: Varicose Veins, Bad Leg, Piles, Hardened Arteries, Heart Troubles, Rheumatism, and Circulation, etc. A tablet Remedy, easy to handle and reliable.

**NEW REDUCED PRICES:**

Retail Price 5/- per pkt.  
\* Including purchase tax.

Wholesale 42/- per doz.  
\* Including purchase tax.  
P A.T.A.

SHOW CARDS STILL AVAILABLE FREE ON REQUEST

## The NEW ERA TREATMENT CO. LTD.

DEPT. R

CECIL HOUSE, HOLBORN VIADUCT, LONDON, E.C.1

# FOOT AIDS ARE FRONT RANK NECESSITIES NOW

Never has the public been more alive to the need for nursing its feet! Thousands are exchanging sit-down jobs for stand-up work in war industries. Shopping has become a foot-slogging ordeal for every housewife. There are queues for buses and trams. Petrol is becoming *nonest*.

To feature Scholl Foot Comforts at this moment is more than a profitable proposition. It is a tangible contribution to the war effort. For every customer you free from pain is fitter to 'stand up to it'!

With the present Scholl advertising we are making more and more people realise what expert treatment can do for the feet, and creating an ever-growing number of regular Scholl users.

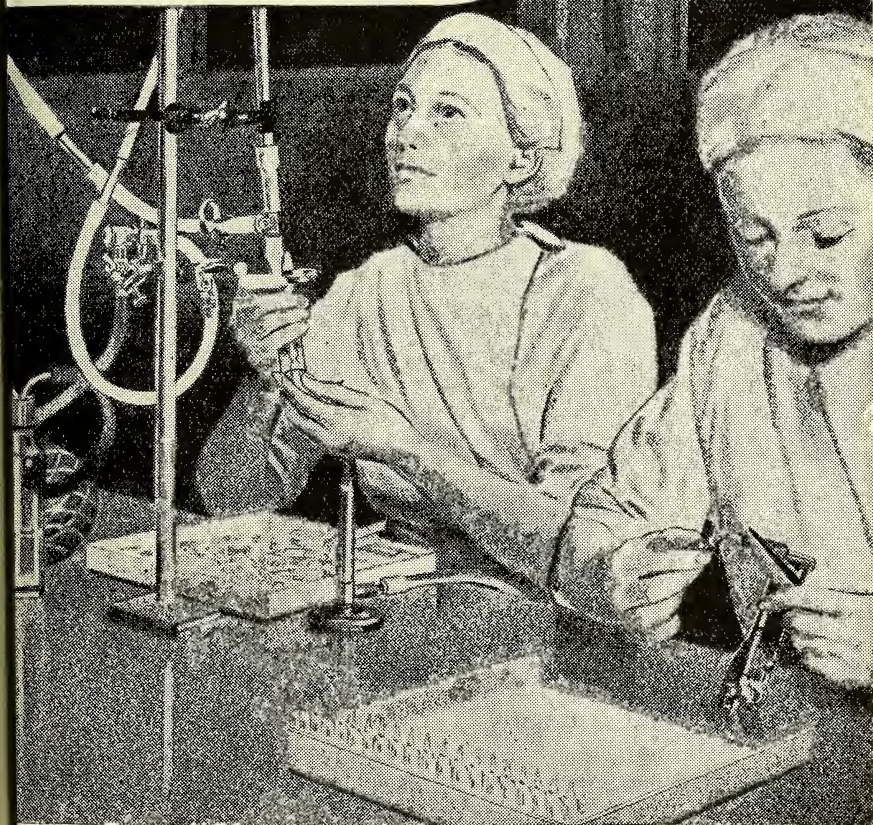
Stock Scholl's—display Scholl's and you'll capture the increasing demand for renewals and replacements. Scholl has a high reputation. You know it well. It is proved by the fact that supplies are released to us by approval of the Medical Board.

Get in touch with us quickly. Let us together consider the needs and scope of your business. You'll find an enterprising spirit at Scholl's.

**Scholl Manufacturing Co. Ltd., 182-204 St. John St., London, E.C.**



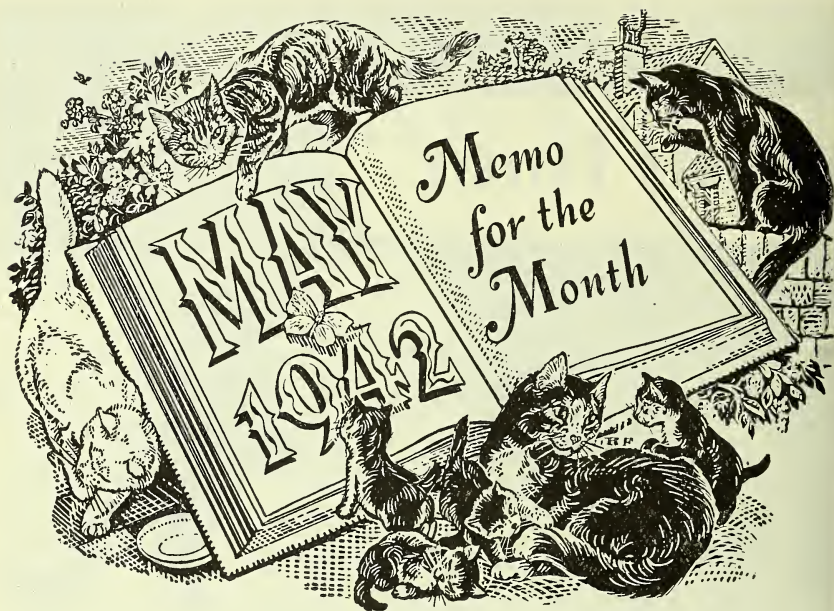
## Pituitary Extract



THE  
**EVANS**  
BIOLOGICAL INSTITUTE

EVANS SONS LESCHER & WEBB LTD





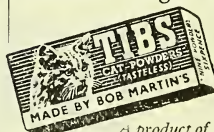
## *Your customers' cats are* **on 'WAR WORK'**

**T**HE Larder Guard is fast becoming known as a National Force! To be efficient, its members—and there are 10 million cats in the country—must be fighting fit.

Every second person who enters your shop lives in the same house as one of these feline servants of the State. The advertising of 'TIBS' is planned to make cat owners realise that their pets

cannot always be healthy without attention. The success of this campaign is being proved by the fact that 'TIBS' sales are steadily increasing.

'TIBS' is worthy of the best display position in your window. You can be sure that 'TIBS' will sell—*right through the year.*



# **TIBS**

*a product of Bob Martin Ltd., Southport*

**ESTABLISHED 1878**

**FOR**

**LABELS**

**CARTONS**

**ENVELOPES**

**AND EVERY DESCRIPTION**

*of*

**MEDICAL PRINTING**

Write to

**ALF. HARRISON & SONS, LTD.**

**THE CHEMISTS' PRINTERS**

**BURLEY ROAD**

**LEEDS, 4**

## INDEX TO ADVERTISERS

Adams, Butler & Co., Ltd.	x, xii
Accles & Shelvoke, Ltd.	14
Anglo African Shipping Co. (S.A.), Ltd.	iv
Aspro, Ltd.	vi
Bell, John, Hills & Lucas, Ltd.	Leader Page
Bombay Mills	xv
British Commercial Chemicals & Supplies	xv
British Drug Houses, Ltd., The	20
Britton, Malcolm & Waymark, Ltd.	8
British Schering, Ltd.	5
Burgoyne Burbidges & Co., Ltd.	i
Burrough, James, Ltd.	Leader Page
Burroughs Wellcome & Co.	19
Calthorpe, M., & Co.	xii
Camden Chemical Co., Ltd.	vii
Carillon Press, Ltd.	15
Carter, H. W., & Co., Ltd.	viii
Cater, Stoffell & Fortt, Ltd.	xii
Clay & Abraham, Ltd.	ix
Cox, Arthur H., & Co., Ltd.	Cover iv
Cussons Sons & Co., Ltd.	Cover iii
Dales Aspirin Co.	15
Daniel, Richard, & Son, Ltd.	15
Dearborn (1923), Ltd.	8
Duncan, Flockhart & Co.	ii
English Grains Co., Ltd.	vi
Evans, Adlard & Co., Ltd.	18
Evans Sons Lescher & Webb, Ltd.	3
Evan Williams Co., Ltd.	11
Freudentheil, Smith & Co.	Leader Page
Fr neo-British Electrical Co., Ltd.	viii

(Continued overleaf)

## VALUABLE PREPARATIONS SECURED FOR BRITISH MEDICINE

DOCTORS who have used the preparations listed on the right and formerly manufactured in Germany will be interested to know that a purely British Group has acquired the German Schering interests in this country. There is now no danger that exhaustion of existing stocks of preparations will cause treatments which have proved successful, to be discontinued.

Preparations are to be manufactured and distributed in Britain by an all-British organisation, not only while the war lasts, but permanently in the future.

The new British Organisation comprises three companies: British Schering Ltd., British Schering (Research) Laboratories Ltd. and British Schering (Manufacturing) Laboratories Ltd. each complementary to the other.

It will be seen that the aim of Schering in Britain is not only to maintain supplies of preparations of proved clinical value, but to become a force in the progress of medicine.

### BRITISH SCHERING PREPARATIONS

ALBUCID	MEDINAL	SOLGANAL
ARCANOL	NEOTROPIN	SYNTHALIN
ATOPHANYL	NEUTRALON	TESTOVIRON
CORTIRON	PROGYNON	VALISAN
CYLOTROPIN	PROLUTON	VASANO
FORTAMIN	PROVIRON	VERAMON
UROSELECTAN B		

*The finance, control, and personnel of British Schering are entirely British.*

**BRITISH  SCHERING**

BRITISH SCHERING LIMITED, 185-190 HIGH HOLBORN, LONDON, W.C.1.  
ASSOCIATED COMPANIES: British Schering Research Laboratories Ltd., Alderley Edge, Cheshire.  
British Schering Manufacturing Laboratories Ltd., Pendleton, Lancs.



**INDEX—(contd.)**

Gardiner & Co. (The Scotch House), Ltd. ....	14	Oxo, Ltd. ....	
Gardner, W., & Sons (Glos.), Ltd. ....	18	Parke, Davis & Co. ....	Cov
Gelatin Products, Ltd. ....	ix	Perken, Son & Co., Ltd. ....	1
Graesser, N. H. ....	ii	Perry & Hope, Ltd. ....	1
Graesser Salicylates, Ltd. ....	ii	Potter & Clarke, Ltd. ....	7
Granto Laboratories, Ltd. ....	x	Prince Regent Tar Co., Ltd. ....	3
		Proprietary Agencies, Ltd. ....	3
Harrison, A., & Sons, Ltd. ....	5		
Harman Dietetic Laboratories, Ltd. ....	xv, xvi	Ravenworth, Ltd. ....	5
Henshaw, J. L. ....	xv	Ronaldson, J., & Co., Ltd. ....	Leader
Hough, Hoseason & Co., Ltd. ....	viii		
International Chemical Co., Ltd. ....	xiii	Salter, B., & Son ....	8
International Laboratories, Ltd. ....	x	Scholl Manfg. Co., Ltd. ....	2
	i	Scott & Bowne, Ltd. ....	Leader
Jeffreys, Miller & Co., Ltd. ....	viii	Scott & Turner, Ltd. ....	x
Johnson & Johnson (Gt. Britain), Ltd. ....	16	Scurr, C. A. ....	v
		Singha, The Dr., Co., Ltd. ....	7
Kearsley, C. & G., Ltd. ....	x	Smith, T. & H., Ltd. ....	v
Kellys, J., (London), Ltd. ....	iv	Smith, T. J., & Nephew, Ltd. ....	4
		Soho, Ltd. ....	4
Levy, M. de J., & Sons, Ltd. ....	v	Splendor, Ltd. ....	1
		Surgical Hosiery Co., Ltd. ....	2
Macfarlan, J. F., & Co. ....	Front Cover		
Martin, Bob, Ltd. ....	4	Thornton & Ross, Ltd. ....	ci
Matthews Laboratories, Ltd. ....	Leader Page		
Midgley & Parkinson, Ltd. ....	18	United Chemists Association, Ltd. ....	7
Multishave, Ltd. ....	10		
		Whiffen & Sons, Ltd. ....	ii
New Era Treatment Co., Ltd. ....	1	Wilcox, Jozeau & Co., Ltd. ....	Leader
		Woolf, Lewis, Ltd. ....	2

# Disinfectants

to Hospitals, Public Institutions, Local Councils,  
REMEMBER that

**BURT, BOULTON & HAYWOOD LTD.** Manage to  
the **PRINCE REGENT TAR COMPANY, LTD.**

give you special terms.

Carbolic Disinfecting Fluids containing 3% to 80% Tar Acids.

White Disinfecting Fluids—miscible in salt, fresh or brackish water, Co-efficients 10/12, 18/20, 20/22, 24/26.

Lysol B.P. Quality. Pine Disinfecting Fluids.

Pink Carbolic Disinfecting Powders containing 5% to 20% Tar Acids.

Carbolic Sheep Dips, approved by the Ministry of Agriculture under the Sheep Scab order.

Tar Acids and Rideal Walker Co-efficiency guaranteed.

Special Disinfectant Fluids approved by the Ministry of Agriculture under the "Diseases of Animals Act." May be packed and sold by Chemists under own name.

SAMPLES AND PRICES ON APPLICATION TO

**PRINCE REGENT TAR COMPANY, LTD.**  
(Managers: BURT, BOULTON & HAYWOOD, LTD.)

BRETENHAM HOUSE, WELLINGTON STREET, STRAND, LONDON, W. 2

Phone: Temple Bar 5501 (5 lines)

Telegrams: "Burboul. Rand. London"

Carbolic Disinfecting Fluids, Rideal Walker Co-efficients

Liquid Carbolic and Cresylic Acid, Dark 95/97% at 97/99%.

Sulphur Candles. Formaldehyde (Formalin) 40% S

Liquid Soaps.

SOLUBLE Carbolic or Pine Blocks for road waterin

Carbolic Weed Killer, etc.

May be sold by Chemists and Druggists under own





Just a few of the many links in the Ucal Chain of Products for the Pharmacist only



The strength of the chain depends on your support

UNITED CHEMISTS ASSOCIATION LIMITED · CHELTENHAM & LONDON

# The 'Clinbritic' Vaccine Bottle

Patent No. 492200

MADE IN WOOD'S ALKALI FREE AMBER or WHITE GLASS



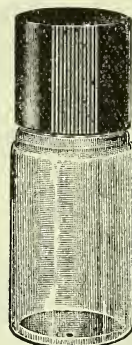
Assembly Details



A new type of Multiple injection "vaccine" bottle which possesses several points of interest and offers a very near approach to the ideal. No Wiring is necessary, and there is no distortion or bursting of the rubber cap even at pressures up to 50 lbs.

The india rubber vaccine cap, of special design, is protected by a screw bakelite cap, and provision is made for maintaining the sterility of the outside surface of the vaccine cap. No manipulation whatever is required after sterilization.

Samples, Prices and Full Details on Request



Completed

**Britton, Malcolm & Waymark, Ltd.**  
38 Southwark Bridge Road, London, S.E.1

## WANTED

### Mercolized Wax Jars and Caps

In order to conserve supplies for Home and Export purposes, we ask the help of the trade in securing the return of empty Mercolized Wax Jars and Caps.

From this date we will pay 1/- per dozen, plus postage, for all genuine Mercolized Wax jars received complete with caps. We are not proposing ourselves to make any payment to the public, but chemists are of course at liberty to do so if they wish.

We shall be very grateful for *your* help in this matter.

**DEARBORN (1923) LIMITED**  
HELLIDON HOUSE, HELLIDON, Nr. DAVENTRY  
NORTHANTS

# PROPRIETARY AGENCIES LIMITED

wish to announce that consequent upon the increase in the rate of Purchase Tax from  $33\frac{1}{3}\%$  to  $66\frac{2}{3}\%$  the Retail Prices of the following preparations will be revised in respect of those goods which have borne Purchase Tax at the higher rate

## PHILLIPS MAGNESIA BEAUTY CREAMS

Texture and Cleansing

Pre-Purchase Tax Price		Price incl. Purchase Tax OLD RATE		Price incl. Purchase Tax at <b>NEW RATE</b> $66\frac{2}{3}\%$	
s.	d.	s.	d.	s.	d.
	6		$7\frac{1}{2}$		9
1	6	1	$10\frac{1}{2}$	2	3
3	0	3	9	4	6

## DANDERINE

1	3	1	7	1	11
2	6	3	2	3	10
4	6	5	$7\frac{1}{2}$	6	9

PROPRIETARY AGENCIES, LTD., 179-181 ACTON VALE, LONDON, W.3

TELEPHONE: SHEPHERDS BUSH 4435



# WANT RAZOR BLADES? *GET MULTISHAVES!*

## The Solution to the RAZOR BLADE SHORTAGE

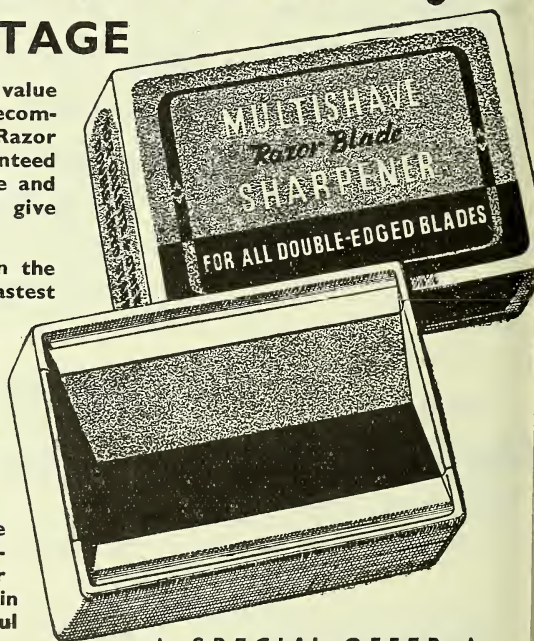
Progressive Chemists who value their customers' confidence recommend the Multishave Safety Razor Blade Sharpener — the guaranteed sharpener that makes Gillette and other double-edged blades give many extra smooth shaves.

The sharpening agent used in the Multishave is the finest, fastest cutting abrasive known.

The bluntest blade, even if it has been stropped or rubbed on a tumbler or other glass article until it is beyond hope, can be given a new edge in ten seconds with the Multishave.

There are no glass parts to the Multishave—no fear of breakage or accidents. It is ideal for travellers, particularly men in the Forces, and is a thoughtful gift.

Your customers must shave. If you are short of blades, sell Multishaves. You make fourpence-halfpenny profit on each Multishave outfit. Retail price 1/6, including purchase tax. Trade price 8/- per dozen, plus 5/4 purchase tax. Packed three dozen to a carton, complete with smart showcard.



### ★ SPECIAL OFFER ★

To create a large sale immediately for Multishaves in your district, to your advantage, in consideration of your order 12 cartons each 3 doz. Multishave Safety Razor Blade Sharpener

**YOU GET FREE OF CHARGE**

13 weekly advertisements in your local evening or weekly newspaper, mentioning your name only as Multishave stockist.

This advertising sells many Multishaves for you.

**ORDER MULTISHAVE OUTFITS FROM YOUR WHOLESALE**

or send direct to

**MULTISHAVE Limited, Fortess Grove, LONDON, N.W.**

Telephone: GULLIVER 1467



# short hair **EASES** shampoo shortage.

**F**OR months our advertising has emphasised the necessity for keeping the hair clean; the Ministry of Health is also emphasising the same point, and as soap shampoos are exempt from increased taxation, it is obvious the Government realises their value from the viewpoint of hygiene.

Experts are recommending shorter hair styles; nevertheless, cleanliness is still of primary importance. The trouble of course would not have been so serious but for the enforced shortage of shampoos, a situation which will be eased by the coming of shorter hair styles.

There can be no doubt that sooner or later "Shorter Hair" will become universal among women, particularly those in the Services or doing War tasks; this, to all intents and purposes, would have the effect of increasing shampoo supplies, and all that Chemists can then do to further the cause of cleanliness and hair hygiene is to see that these supplies have the widest distribution.

With short hair, half a packet of Evan Williams Shampoo is sufficient, so that if every woman secured one packet fortnightly she could still have the weekly shampoo that is so essential.

One sale per customer should be the rule, and your co-operation in this matter is one for which women will be grateful.

## *Evan Williams*

### SHAMPOO—Goes twice as Far!

SALES DEPT: 33-35 HIGH STREET, ACTON, LONDON, W.3





**Grip-tight**  
TRANSPARENT LATEX  
FEEDTEATS

**GUARANTEED  
FOR THREE YEARS IN  
ANY CLIMATE**

Can be boiled repeatedly without deterioration. Packed in separate transparent envelopes in attractive display boxes.

Awarded the Certificate of  
the Royal Institute of Public  
Health and Hygiene.

**LEWIS WOOLF LTD.**  
144 OAKFIELD ROAD  
SEELY OAK  
BIRMINGHAM, 29



THE  
**"MATER"**

**CLINICAL** REGD.  
The position of the Mercury column is at once  
perfectly plain. Red markings above 99.4.

**ALL TYPES OF  
CLINICAL  
AND OTHER  
THERMOMETERS**

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(ESTABLISHED 1852)

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**"SURCO"**

RELIABLE

**ELASTIC HOSIERY**  
SEAMED AND SEAMLESS

For special garments to measure  
we give the best possible service

**SURGICAL BELTS  
TRUSSES AND SUNDRIES**

50 years' service of  
everything Surgical

**SURGICAL HOSIERY CO. LTD.**  
Russell Street - NOTTINGHAM

Telephone No. 75903 Telegrams: Surgical Nottm.



# DISEASES AND REMEDIES

A NEW EDITION OF  
**"DISEASES AND REMEDIES"**  
 IS NOW AVAILABLE PRICE 9/-

The fact that so many editions of this book have been published is striking testimony to its value to practising pharmacists.

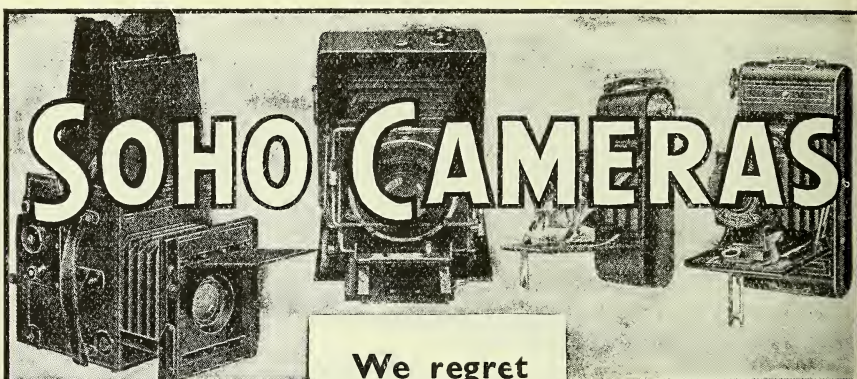
In preparing this new edition, the opportunity has been taken to have the work thoroughly revised and re-written, and this task has been accomplished by an eminent medical practitioner in collaboration with an able and experienced pharmacist. New monographs have been added together with Diet Tables, Charts of Infectious Diseases, and many other important items.

The book is thoroughly up-to-date, and is ideal for counter prescribing purposes. Every Pharmacist should possess a copy. Your usual wholesaler can supply you or you can have a copy by return of post if you send remittance value 9s. 6d. to The Publisher

The  
**CHEMIST AND DRUGGIST**  
 THE PITMAN PRESS, BATH







# SOHO CAMERAS

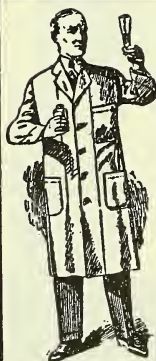
**We regret**

that it is not possible to offer supplies of Soho Cameras, which range from the world's best "Soho Reflex" to the latest and most popular folding pocket camera, the "Soho Myna."

Our plans for post-war trade embrace a range of new Soho models which will show big advances on the famous Soho Cameras of the past, and a complete service of accessories.

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### HIGH GRADE LONG OVERALL COATS

Super Quality, specially shrunk  
White, 15/9, 17/9, 21/-  
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Coats: 3 coupons

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Jackets: 2 Coupons

Send P.C. to Department G.  
for illustrated list showing  
styles. Prices subject to altera-  
tion. State style required and  
we will gladly quote you. Cash  
with order, or usual trade  
references. Satisfaction guaran-  
teed.

**GARDINER & CO. (THE SCOTCH HOUSE) LTD.**  
1, 3 & 5 COMMERCIAL ROAD, LONDON, E.1

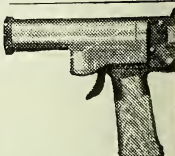
\*Phone: BIS 6751 (3 lines)

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—FOR EASY AND SAFE  
DESTRUCTION OF  
CATS AND DOGS

Use **The CASH**  
CAPTIVE BOLT PISTOL

Gives instantaneous uncon-  
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clean, economical—and suit-  
able for any sized animal.  
Recommended and used by  
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Limited  
ASTON - BIRMINGHAM

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TRADE MARK BRAND

### BOIL DRESSINGS

The complete treatment  
for Boils

T.J. SMITH & NEPHEW, Ld.

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1860

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 PROPRIETARY AND OWN FORMULA PILLS AND TABLETS

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Output of Saccharin

and Aspirin Tablets sold for some months ahead

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# PROPAX

BRAND

*puts vigour into  
tired sales totals*



These are good days for the Propax stockist. Everything—and everybody—is coming his way. Sales are on the up-and-up. Propax is a safe and certain insurance against headaches and all nervous pains that threaten wartime workers (not just a pain-killer, Propax helps the system get rid of the poisons that *cause* pain). Dealers who realise its value are making a leading line of Propax—and it's bringing them extra business that will carry through the war *and* after.

Following a large scale sampling scheme Propax are now advertised throughout the country in national magazines and provincial newspapers.

## PROPAX TRADE TERMS

Wholesale 11/3 & 19/3 per doz. Retail 1/5 & 2/6.  
(both sizes packed in 1 dozens) (Incl. Pur. Tax)

**Sole Distributors:**

**SPLENDOR LTD., 5, Beastmarket Hill,  
Nottingham, & 7c, Lower Belgrave St., S.W.1**

# Tek TERMS

From  
MAY 1st 1942, prices  
of Tek Standard Bristle  
and Nylon toothbrushes  
will be:

To the Public  
2/- each

To the Retailer  
14/6 doz. net

To the Wholesaler  
14/6 doz. less 20% net

There will be no  
bonuses and no quantity  
terms

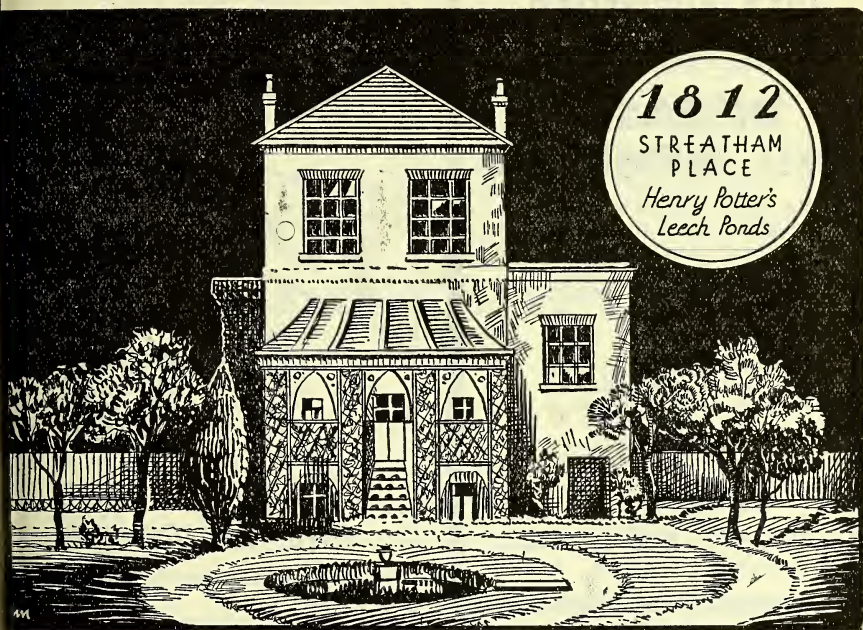
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ISSUED BY

JOHNSON & JOHNSON (Gt. Britain) LTD.  
Slough and Gargrave

★





# Potter & Clarke Ltd.

1812 1942

This announcement is the commencement of a series illustrating the historical key-points in the building up of the House of Potter & Clarke, Ltd., during the last 130 years.

So it was then, situated in the Streatham High Road in the early nineteenth century, that the original Henry Potter conceived the idea of breeding leeches in his own ponds near his residence, thus starting one of the biggest drug firms of the century.

64 Artillery Lane, London, E.1. 77 Dantzic St., Manchester, 4.

Phone. BISHopsgate 4761 (6 lines)  
Grams. HOREhound, Phone. London

Phone. BLAckfriars 8734. . .  
Grams. HOREhound, Manchester

**JUST PUBLISHED**

A NEW EDITION OF  
**DISEASES  
 AND REMEDIES**

This latest Edition has been completely revised from cover to cover. New sections on Chemotherapy, Diets, Elastic Hosiery, Infectious Diseases, and other important items have been added.

This book is recommended in every way, and is ideal for counter-prescribing purposes.

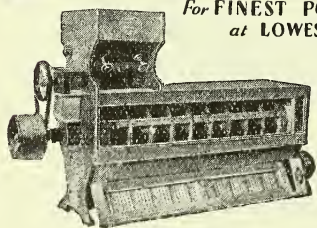
Price **9/6** post free

Orders together with Remittance should be sent to the Publisher

**THE CHEMIST AND DRUGGIST  
 THE PITMAN PRESS, BATH**

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 ALL OVER THE WORLD**

For FINEST POWDERS  
 at LOWEST COST



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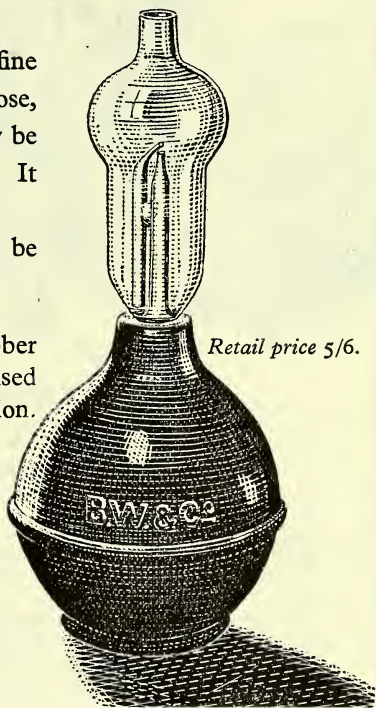
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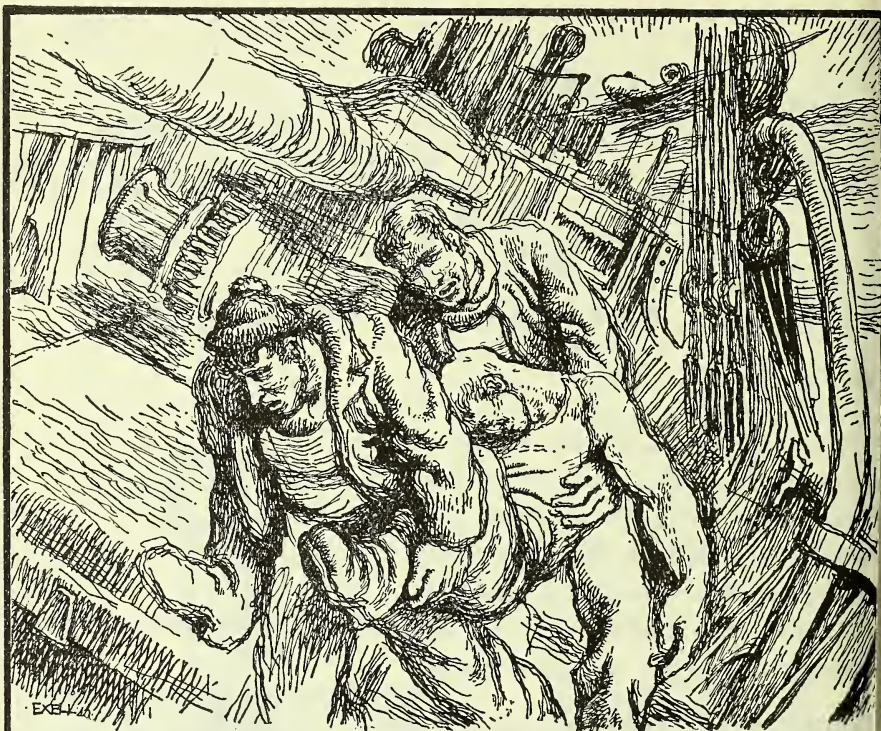
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## CONTENTS

	Page		Page		Page
Births .. ..	491	Editorials:—		Personalities .. ..	491
Coming Events ..	504	We Suffer from the		Pharmaceutical Society:	
Commercial Notes ..	483	Blitz .. ..	493	Examination Results	489
Company News ..	483	More Purchase Tax		Proprietary Articles	
Correspondence:—		Decisions .. ..	493	Trade Association ..	484
Letters .. ..	504	War Damage Bill ..	494	Recent Research ..	504
Miscellaneous In-		Limiting Annual		Recent Wills .. ..	491
quiries .. ..	504	Conferences .. ..	494	Salvage Competition ..	487
Deaths .. ..	491	News of the Week ..	479	Stirrup Pump Changes	486
Empire and Foreign		Observations on Phar-		Tees-side Meeting ..	485
News .. ..	481	macy .. ..	496	Topical Reflections ..	482
Liverpool Meetings ..	488	Pain from Varying pH		Trade Marks .. ..	490
Marriages .. ..	491	Injectons .. ..	498	Trade Notes .. ..	490
Medical Abstracts ..	495	Parliamentary News ..	490	Trade Report .. ..	499

## NEWS OF THE WEEK

**Coal Tar Order Issued.**—The Board of Trade has made a new coal tar order, the Order of Coal Tar Order, 1942 (S.R. & O. 42, No. 732), which came into force on May 1.

**Anthracene Prices Order.**—The Board of Trade has made the Anthracene Prices (Ireland) Order, 1942 (S.R. & O., 1942, No. 3), which came into force on May 1. The order contains a schedule of prices for percentages of anthracene contained in refined crude anthracene.

**Plymouth Anti-gas Demonstration.**—Plymouth City Council is holding an anti-gas demonstration in the city market. Sales of anti-gas ointment are being made, with the assistance of the local branch of the Pharmaceutical Society, to the funds of which will go any profits made.

**Women Pharmacy Students.**—The Central Pharmaceutical War Committee understands that representations are being made to the Ministry of Labour and National Service to ensure that women students of pharmacy shall be permitted to complete

their courses of study and proceed to qualification, thus bringing them into line with women students of medicine, dentistry and veterinary surgery. The Committee will give notice of the result of the representations to the Ministry as soon as it is known.

**X-ray Examinations Proposed Under N.H.I.**—Glasgow Burgh Insurance Committee has decided to support a suggestion by the National Association for the Prevention of Tuberculosis that all young people should be examined periodically by x-ray to detect tuberculosis in its early stages. The Committee is also to urge the Scottish

### Important Notice

OUR Bath records have been destroyed by enemy action but subscribers, advertisers and representatives who have been in the habit of communicating with the C. & D. at Bath (c/o The Pitman Press, Lower Bristol Road, Bath) are asked to continue to do so.

Secretary of State to perfect methods for early detection of the disease.

**Not in Delivery Schemes.**—Chemists and druggists in Scotland generally are being excluded from delivery schemes applicable to other trades.

**Annual Meeting and Presentation.**—At the annual meeting of the Plymouth Branch of the Pharmaceutical Society held on April 8, Mr. D. G. Hawkins was re-elected *Chairman*, Mr. A. G. M. Madge was re-elected *Secretary*, and Mr. E. C. Burrows *Treasurer*. Mr. Alan H. Ware, a former Principal of the Pharmacy Dept., Plymouth Technical College, and a former examiner to the Pharmaceutical Society, was presented with an illuminated address and wallet containing a cheque, as a memento of the many years' service he had rendered to pharmacy. Mr. D. G. Hawkins (chairman), in making the presentation, said the past successes of the College had been in the main due to Mr. Ware's brilliant work, and the esteem in which he was held was shown by the number of pharmacists who had subscribed to the presentation. Mr. Ware, responding, said he had seen the growth of the department of pharmacy from its beginning by Mr. Gadd and Mr. Sharp, Exeter, in 1895. He thanked Mr. Smith, his successor, for many pleasant years they had worked together in building the school, and felt that under his guidance it would achieve further successes.

**Students' Union Resolutions.**—The following resolutions were passed at a meeting of pharmacy students of the Royal Technical College, Glasgow, recently: That the Pharmaceutical Society be asked to recommend that all pharmacists, be they unqualified, qualified or apprentices, become members of the body known as the "Association of Pharmaceutical Employees," through which all matters of importance relating to the trade can be given expression; that the Pharmaceutical Society be asked to make application to the Ministry of Labour for exemption of pharmacy students from all forms of national service during their final year of study; and that the Pharmaceutical Society be asked to enforce the appendix to the Articles of Pupilage, particularly that inspectors should be appointed whose duty it should be to visit apprentice masters, and that apprentice masters who have not fulfilled the conditions laid down should be barred from training any more apprentices.

Copies of the resolutions have been forwarded to the Pharmaceutical Society and to other Colleges of Pharmacy.

**Eire Catholic Pharmacists.**—The pharmacy branch of St. Joseph's Young Priests Society, Dublin, has provided funds for the maintenance of seven students at college. Drugs and dressings to the wholesale value of £100 have been forwarded to Irish missionaries by the medical guild of the Society.

**Inquest.**—A verdict that death was due to strychnine poisoning, the poison having been self-administered, was returned on March 31 at an inquiry in Newry Workhouse into the circumstances of the death of Patrick O'Callaghan. The inquest had been previously adjourned pending a analysis of certain organs of deceased. According to medical evidence, deceased must have taken a very large dose of strychnine. Mr. P. Mallon, P.C., said O'Callaghan signed the poison register and obtained 15 gr. of strychnine, representing that he had been advised by the police to lay the strychnine on his land as he had had three sheep worried by dogs. He signed the register as "Patrick Morgan."

**Chemists and National Savings.**—More than five hundred independent pharmacists in England and Wales are now selling national savings stamps and certificates in their shops. They are known as honorary official agents and are appointed by the local Savings Committees. Over 8,000 shops of all types are now acting in this capacity and still more are required. Prior to the introduction of this scheme of direct sales of savings certificates, shopkeepers had to use a system of requisition forms from the Post Office, the department posting the certificates to the purchasers. The new facility for issuing the actual certificates and stamps over the counter to the public should be an incentive to invite customers to "save while shopping." The response to a recent appeal by the National Pharmaceutical Union to its members to act as honorary agents under this scheme has already been highly satisfactory but "more agents mean more sales." Pharmacists engaged in retail business are, therefore, invited to take up the sale of certificates and stamps under this scheme of direct sales to the public. Full particulars may be obtained from the secretaries of local Savings Committees.



## EMPIRE AND FOREIGN NEWS

**Vitamin Plant in Canada.**—A factory for the manufacture of thiamine hydrochloride (synthetic vitamin B<sub>1</sub>) has been established in Canada by Hoffman-LaRoche, Ltd., Montreal.

**Medicines for Greece.**—The Greek steamer "Kulakundis," with a cargo that included vitamin tablets and medicines for the Greek people, called at Portugal from the United States recently *en route* for a Greek port.

**Protected Symbol for South African Pharmacists.**—The badge of Associated Pharmaceutical Societies of South Africa has been registered under the Dominion's protection of Names, Uniforms and Badges



ct, 1935. It may now be used exclusively by members of the constituent societies. A form of agreement has been drawn up, to be signed by members and by representatives of the Associated Societies, under which an undertaking is given that the symbol will not be used otherwise than for dispensing labels, letterheads, invoices and account forms or as transfers on display windows.

**Insurance Actuary Engaged in Canada.**—The Dominion Health Insurance Committee and the Executive of the Canadian Pharmaceutical Association have appointed a consulting Actuary and Statistician to act in an advisory capacity.

**Toronto Petition for 10 p.m. Closing.**—The Toronto Retail Druggists' Association has presented a petition to the civic legislation committee, bearing the names of 10 per cent. of the pharmacists of Toronto, asking that all stores be closed at 10 p.m. each evening.

**Pharmacy in British Columbia.**—Calling on the Government to conduct an investigation into the situation of pharmacy in

British Columbia, the leader of the opposition, Mr. Harold Winch, alleged that the Pharmacy Act was being used as a means of keeping general stores open after lawful hours.

**Turnover in Canadian Pharmacies.**—Sales in retail pharmacies in Canada in January 1942 were, according to the Dominion Bureau of Statistics, 25 per cent. under those for December 1941, but showed an increase of 16 per cent. over the figures for January 1941 and of 42.2 per cent. over those for January 1939.

**Indian Manufacturers and Distributors.**—According to a report from the Pharmaceutical and Allied Manufacturers' and Distributors Association, Bombay, negotiations have been carried on with the Indian Government on the subject of permitting the importation of certain essential oils, drugs, chemicals and pharmaceutical preparations. The Association also reports that, during the past nine months, five new members have been elected.

**Canadian Proprietary Medicine Statistics.**—Production by manufacturing plants in Canada which were engaged chiefly in making proprietary medicines, pharmaceuticals and similar commodities, was valued at \$29,571,468 at factory prices in 1940, against \$27,184,262 in 1939 and \$24,536,474 in 1938, according to a recently issued report by the Dominion Bureau of Statistics. Of the 167 factories in this group in 1940, ninety-one were located in Ontario, sixty-three in Quebec, seven in Manitoba, one in British Columbia, one in Nova Scotia, three in Alberta, and one in New Brunswick. Capital employed in manufacturing was given as \$28,158,494. The average number of employees in 1940 was 4,550, against 4,388 in the previous year, and payments in salaries and wages totalled \$6,293,759, against \$5,906,891 in 1939. Plants in Ontario produced 59 per cent. of the output and concerns in Quebec 32 per cent. The total Canadian output of medicinals, pharmaceuticals and biologicals from all industries amounted in value to \$20,816,692, against \$19,191,562 in 1939 and \$17,447,328 in 1938. Imports into Canada of drugs, medicinals and pharmaceuticals during 1940 were valued at \$4,337,292, of which \$2,893,418 worth came from the United States, and \$865,661 from the United Kingdom.

# TOPICAL REFLECTIONS

## After the Budget

Events follow each other so rapidly that the few changes effected by this year's Budget (p. 467) seem to have been already absorbed into the national consciousness and to call for little further thought. Yet it is evident that restrictions on trading are likely to become more onerous as the war proceeds. You refer particularly to the higher tax on toilet preparations and similar goods, and with reason. In one populous district with which I am acquainted perfumes are, I am credibly informed, unobtainable by the public: this is a comparatively trivial matter so far as the amenity aspect is concerned, but quite otherwise in cases of chronic illness where the routine of the sick-room has dictated their use. The shortage is not entirely due, as we know, to high taxation; but its occurrence is highly inconvenient, and I see no reason why medical practitioners should not write prescriptions for perfumes in suitable cases. Turning to another feature of the Budget—the terms of supply of tobacco to the Forces—public attention has lately been drawn to an increase in the incidence of duodenal ulcer among members of the Services, an increase traceable, it is suggested, to excessive smoking. If this suggestion is well founded, it discloses a serious situation calling for prompt and vigorous action. The nation cannot afford preventable illness, especially in the front lines. Your advice to live economically and cheerfully will be received with sympathy. We are well aware that the screw of taxation has been so tightened as to render further pressure virtually impossible: it only remains for us to apply the screw to the enemy.

## Questions of Interpretation

There is likely to be divergence of practice before the obscurities of last year's Pharmacy and Medicines Act are cleared up (p. 468). Officials have an inbred reluctance to give rulings on doubtful points; it is probable, accordingly, that the courts will have to settle one or more of the problems indicated in your editorial comment. As far as can be foreseen, civil servants will desire the inclusion of as many preparations as possible within the ambit of formula disclosure, and will so inform their responsible heads. This and other types of difficulty have been troubling the trade ever since the first Medicines Stamp Act became law in 1783. On September 1 of that year Francis

Spilsbury, a chemist in Soho Square, London, issued an advertisement in the following terms: "To-morrow, Sept. 2, 1783, the Medicine Act commences, an act which has engrossed the attention of the public to decide the lawful meaning of the legislature. Eminent Counsel have been consulted on the occasion. They disagreeing, application to the Attorney-General became absolutely necessary to clear up certain points. . . . The Attorney's answer is waited for with great anxiety in London, which may in some measure alleviate their fears of a general stop to trade. . . ." The first law case reported under the Act was heard within a few weeks: on October 13 "The Morning Chronicle" stated that a Mr. Ruspini of Pall Mall had appeared at Bow Street Police Court in answer to a summons for having sold "his tinctures and dentifrice" without stamps. He was acquitted, "to the great satisfaction of several gentlemen of the faculty, and a number of respectable persons, who were present."

## Balanced Diet

The importance of basing the choice of diet on scientific evidence is clear from the fourth of Dr. Wokes's articles on nutrition in war-time (p. 470). The present restrictions are all to the good if they lead us to reconsider our dietary in the light of the best knowledge obtainable, and either to justify or to amend our habits in food. We may fairly infer from biographical records that people of intellectual distinction have as a rule been sparing of the pleasures of the table. Emerson, we are told, was indifferent to arrangements for meals; and Mr. Bernard Shaw has long been a vegetarian, a total abstainer and non-smoker. I do not know what is to be deduced from the fact that Burke's house in Soho afterwards became a restaurant, nor can I attach much importance to accounts of meals given by novelists. A novel is not—or at any rate should not be—a transcript from life. And although novelists describe sumptuous meals, they usually refrain from indicating how much was eaten and how much left. Probably the average merchant of a century ago contented himself for the most part, like Mr. Jorrocks in "Handley Cross," when called at the residence of Sir Archibald Depecarde, with "jest fish, and steak, a fizzant," filling "hup the chinks wi' cheese

**Xrayser**



## COMPANY NEWS

R. G. HOOK, LTD. (P.C.).—Capital £500. Consulting and general chemists, herbalists, etc. Richard J. and Beryl G. Hook, directors. R.O.: 101 Dover Road, Folkestone.

F. B. A. INSTRUMENTS, LTD. (P.C.).—Capital £100. Manufacturers of and dealers in optical, surgical and scientific instruments, etc. R.O.: 4 Broad Street Place, London, E.C.2.

STANTEX (MANUFACTURING), LTD. (P.C.).—Capital £100. Manufacturers of and dealers in anatomical, orthopaedic and surgical appliances, etc. Max and Monague Steingold, directors. R.O.: 89 Great Eastern Street, London, E.C.2.

WOLTERS BALANCES, LTD. (P.C.).—Capital £2,000. Manufacturers of and dealers in analytical, chemical, physical or other balances. Florence A. Wolters and Percy Whittle, directors. R.O.: Chemical Balance Works, Otterspool, Watford, Herts.

IMOPTICO (1942), LTD. (P.C.).—Capital £100. Wholesale manufacturing opticians, manufacturers of and dealers in surgical, electrical and scientific instruments and photographic apparatus, etc. Philip O. Raphael, first director. R.O.: 115 Chancery Lane, London, W.C.2.

R. W. BROWN & SON (WESTON-SUPER-MARE), LTD. (P.C.).—Capital £1,000. To acquire the business of a photographer and dealer carried on by W. H. Brown as R. W. Brown & Son at 18 High Street, Weston-super-Mare (R.O.). W. H. and Janet M. Brown, directors.

THOMAS GIRDWOOD, LTD. (P.C.).—Capital £100. To acquire the business of the late Thomas Girdwood, chemist, 252 Gorgie Road, Edinburgh. Mrs. Elizabeth S. and Lieutenant Ronald H. Girdwood, and Charles A. Smith, M.P.S., directors. R.O.: 252 Gorgie Road, Edinburgh.

SERELIUS PRODUCTS, LTD. (P.C.).—Capital £100. Manufacturers and repairers of and dealers in hypodermic and serum syringes, surgical and scientific instruments, etc. John C. Watkiss and Anna Healy, directors. R.O.: 245 St. John Street, Berkenwell, London, E.C.1.

REPORT ON WINDING-UP.—Meetings of editors and members of Farmers Chemists, Ltd., will be held at 236 Baker Street, London, at 11.45 and 12 noon on May 4, to learn how the winding-up of the company has been conducted.

## COMMERCIAL NOTES

Mexico Registration Fees.—Under a decree which became effective on January 1, fees have been imposed in Mexico for the registration and bi-annual revision of patent medicines, pharmaceutical specialties, and toilet preparations, all of which are subject to a fee of 200 pesos when foreign and twenty pesos when domestic.

Newfoundland Cod Liver Oil Exports.—Exports of cod liver oil from Newfoundland during 1940 and 1941 were, in Imperial gallons:—

Year	Grade		
	Common	Poultry	Refined
1940	761,594	24,233	182,052
1941	500,000	4,025	178,275

United States Beeswax Imports.—During the nine months ended September 30, 1941, 4,400,000 lb. of beeswax was imported into the United States. Sources of supply (in lb.) were as follows: Mexico, 183,800; Cuba, 701,200; Dominican Republic, 487,800; Guatemala, 56,000; Haiti, 58,200; Brazil, 1,468,200; Chile, 526,300; Portugal, 39,800; Belgian Congo, 106,400; Madagascar and other French Africa, 129,600; Portuguese Africa, 501,400; and British East Africa, 1,600. Several other countries furnished the remaining small amounts imported.

Dogfish Oil.—According to the United States Department of Commerce, processors of dogfish oil in British Columbia are reported to have been ordered by the Canadian War-time Prices and Trade Board to supply their product to the British Ministry of Food at the following prices per million British international units:—

Vitamin-potency Range	Price
	\$
5,000 to 7,999 .. ..	0·11
8,000 to 14,999 .. ..	0·12
15,000 to 24,999 .. ..	0·13
25,000 to 40,000 .. ..	0·14

Production of vitamin oils from fish livers and viscera in British Columbia in 1941 has been estimated at 10,000,000,000 U.S. pharmaceutical units,

## P.A.T.A. ANNUAL MEETING

THE forty-sixth annual meeting of the Proprietary Articles Trade Association was held in London on April 16, the president (Lieutenant-Colonel S. Watson) in the chair. The meeting confirmed a resolution modifying Rule 5 of the Association's rules that had been previously passed by the Council.

### Annual Reports

Moving adoption of the annual report, the president said that the P.A.T.A. had done excellent work in easing the trade difficulties with which members of all sections had to cope. Manufacturers had co-operated loyally in responding to the Council's recommendation that new wholesale accounts should not be opened in war-time. The Association had secured recognition by the Central Price Regulation Committee of the Protected List as a list of "permitted prices," and it was gratifying that, so far as was known, no prosecution had been brought against any retailer in respect of articles protected by the Association. Membership of the manufacturers' section had shown a small decrease, but this was offset by the accession of a number of important manufacturers hitherto not members of the Association. The usefulness of the protected list had been enhanced by the publication, during the year, of two supplements, the second of which embodied alterations resulting from the repeal of the stamp duties. The Association's investigation work had continued, though on a reduced scale, and had been extended in certain directions of service to the legitimate trade. The president referred with regret to the death of a member of Council, Mr. G. R. Hunt (John Steedman & Co.), and to the great loss sustained by the Association and the trade through the death of Mr. J. A. Kenningham.

### Financial Report

The treasurer (Mr. Lindsay Barclay) made a brief statement on the satisfactory position shown in the financial statement. The motion that the report and financial statement should be adopted was seconded by Mr. Rowsell, supported by Messrs. Milner, Hague and Bryant, and carried unanimously.

A vote of thanks accorded to the secretary and staff for their work during the year was acknowledged by Mr. Chapman. The

meeting closed with a vote of thanks to the president, proposed by Mr. Marshall.

### Council Meeting

A meeting of Council was held in London the same day. The Council received and approved a report on the steps taken to obtain more satisfactory terms, within the limitation imposed by the Prices of Goods Act, on various proprietary articles. The secretary reported that there had been an avoidable delay in publication of the protected list for 1942, and intimated that the printing had been completed at the time of the Budget announcement of the increase in purchase tax on toilet preparations.

### New Members

The Council noted with satisfaction that as the result of the approach made to various proprietary manufacturers, hitherto members of the P.A.T.A., there had been a number of important additions to the protected list, including Liquifrut, Owbridge's lung tonic, and Phosferine.

**HAIRDRESSERS' TRADE ASSOCIATION.** The Council were informed of the progress made in the establishment of a price maintenance organisation representing manufacturers, wholesalers and retailers within the hairdressing trade, with constitution and rules based largely on those of the P.A.T.A. The Council considered that the enforcement, through the Hairdressers' Trade Association, of price maintenance of proprietary toilet and cosmetic preparations should be a marked advantage to wholesale and retail members of the P.A.T.A. and likely to supplement and strengthen the work of the latter Association.

**ALTERATION OF RULE 5.**—By resolution the Council modified the wording of Rule 5 so that a member of the manufacturers' section whose subscription falls due for renewal between January and March shall not be entitled to resign from the Section or remove his article(s) from the protected list without first giving three months' notice of his intention to do so and that any manufacturer who has approved the draft of his entry in the protected list for the ensuing year shall be deemed to have given notice of intention to continue membership for the year and will be liable to pay the required subscription.



## TEES-SIDE ANNUAL MEETING

THE annual meeting of the Tees-side Branch of the Pharmaceutical Society was held in Middlesbrough on April 15, Mr. W. R. Brackenbury presiding. The following officers were elected: *Chairman*, Mr. O'Arcy Bray; *Vice-Chairman*, Mr. Hollings; *Secretary and Treasurer*, Mr. R. MacDonald Murray; *Assistant Secretary*, Mr. J. M. Langman; *Auditor*, Mr. T. R. Scholfield; *Committee*, Messrs. W. R. Brackenbury, J. Drust, J. Goodswen, J. Moffit, C. Pickering, C. Thewlis, and J. C. Thompson.

Members accepted with sincere regret Mr. W. R. Brackenbury's decision to retire from the chair. Messrs. Bray, J. C. Thompson, R. MacDonald Murray and others paid tribute to his work for pharmacy. Mr. Brackenbury replied that the branch was fortunate in having in the new chairman, Mr. Bray, a man of purpose and capacity; his own interest in pharmacy remained undiminished.

### Resolutions to Council

A resolution pertaining to the uncontrolled and widespread distribution of essential medicines was received from the Middlesbrough pharmacists and the secretary was asked to forward it to the Society's Council. It was also decided again to send a resolution deploring postponement of the annual Council election.

### Address

Mr. T. R. Scholfield, Ph.C., then addressed members. He said the trend of modern medicine did not give much scope to the pharmacist. The day of the gilded pill appeared to have gone, and the work of the pharmacist tended to become more and more that of a distributor. The National War Formulary had removed the last trace of elegant dispensing; although it was a war-time measure, such measures were apt to persist. Recent therapeutic advances were mainly to the credit of chemists, and anyone referring to the B.P. addendum could not fail to be struck by the number of chemotherapeutic remedies and drugs of a chemical nature therein, and the entire absence of new drugs of a vegetable origin. The younger school of pharmacists must be thankful that the use of chemotherapeutic remedies had, apparently, occasioned a return of faith among the medical profession in the efficacy of medical treatment. The professional side of pharmacy was largely dependent on the prevail-

ing theory or underlying doctrine of medicine and the attitude of the practitioners towards medical treatment. Apart from other factors the decline of pharmacists' professional status could in some ways be traced to this influence. Every year science was placing at the disposal of the practitioner therapeutic agents possessing specific effects, but unfortunately the use of these new remedies had not progressed so fast.

Mr. Scholfield said it had always appeared to him an anomaly that the Society should publish a quarterly journal on a subject pharmacists were not taught, namely pharmacology. Pharmacists should be acquainted with modern ideas regarding dosage, knowledge of toxic reactions, courses of treatment and methods of administration. Idiosyncrasy was more common with chemotherapeutic remedies than with vegetable drugs; hitherto the pharmacological action of drugs and their therapeutic use had not been considered the pharmacist's province, but the speaker suggested that much of the redundant matter in the present syllabus should be replaced by training in these subjects.

Dealing with the administration of the sulphonamides Mr. Scholfield said the variation of human patients is a familiar fact, the variation is greater in humans than animals. As a general rule, the range of individual variation in a group of moderate size is similar in extent to the range between the therapeutic and toxic doses of drugs. Hence it is impossible to calculate a dose which will be adequate for all patients and yet toxic to none. Only those methods are safe which begin with a moderate dose and permit the dose to be increased in accordance with the requirements of the patient.

Re (5). In this group of drugs the speaker dealt with Nikethamide, Leptazole and Hexazole. These drugs are now in the third P.B. addendum. The action of these drugs is to stimulate the central nervous system, and they have to a large extent replaced camphor, which was largely used on the Continent, and strychnine, which was more popular in this country. They are also widely used for their action on the medullary centre in circulatory failure, acute respiratory diseases, and asphyxia of the newly born or drowning.

The speaker was of the opinion that the use of Leptazole in schizophrenia was a treatment which occasioned misgivings, and

he felt that sometimes this treatment was applied with an enthusiasm which had not a little outrun discretion.

Mr. Scholfield dealt with toxicity of the sulphonamides, recent stimulant drugs and analeptics, the known and the lesser-known vitamins, concluding with a reference to the sex hormones, stilbæstrol, hexæstrol and hexadiene compound.

### Discussion and Vote of Thanks

At the conclusion of the address much discussion took place. The opinion that, while many doctors today run what might be termed a "prescription" practice, this must in due time be replaced by the "diagnostic" practice, was generally accepted.

Mr. MOFFITT proposed a vote of thanks and the secretary (Mr. R. MacDonald Murray) said that he hoped that the giving of a paper by other members would become a feature of branch activity. The appointment of delegates to the branch representatives' meeting at the British Pharmaceutical Conference was left in the hands of the committee.

## STIRRUP PUMP CHANGES

IMPORTANT alterations in the methods of using the now familiar stirrup pump have recently been announced by the Ministry of Home Security. Those who have been trained in stirrup-pump drill have hitherto had impressed upon them the desirability of using the spray on the bomb and the jet on the surrounding fire, the advantage of the spray being that it caused little or no scattering of the molten magnesium of the bomb, whereas the jet caused considerable scattering. Experience has now shown, however, that in cases where speed is the governing factor, the jet of the stirrup pump should be used for dealing with the incendiary bomb instead of the spray, as has hitherto been recommended. The new method of dealing with fire bombs is, therefore, as follows ("Fire Guards Handbook," H.M. Stationery Office, price 2d.)—

### Jet or Spray

The quickest method of extinguishing a kilo magnesium fire bomb is to apply a jet of water from as close a range as possible. By this means the bomb can be disposed of in less than one minute, and where speed is the governing factor this method should be adopted. Although a jet of water applied

to the bomb will cause some scattering of burning magnesium, experience has shown that this involves less risk of personal injury than might be expected, since the particles bounce off the skin without causing burning; but care should, of course, be taken that no particles are able to lodge between the clothing and the skin. In some situations—e.g. where there is highly inflammable material in close proximity—it may be important to limit the scattering effect and this should be done by using the spray. The spray will cause the magnesium to be consumed in about one minute instead of burning for 10 to 15 minutes.

### Need for Speed

All fire bombs should be tackled as quickly as possible. If a bomb falls where it would quickly cause a serious fire unless dealt with immediately (e.g. in a building containing inflammable stores, or in a street near a motor vehicle which has petrol in its tank), it must be tackled once and the risk that it may be of the explosive type must be accepted, but during the first two minutes the attack should be made from behind the best obtainable cover—e.g. the wall at the side of the door, a piece of upturned furniture such as a heavy desk or table. From behind such cover the fire guard can operate the nozzle from the prone position and expose only his hand and forearm. A bucket filled with water will also afford protection to the extent of the cover it provides.

INCOGNITO.—"Although I have grown up in this material age, I prefer the old-fashioned chemist's shop to the modern drug-store with its shining metal and polished glass. I like the huge flasks, red, blue and green fluid in the windows and the little drawers behind the counter each with its gold-leaf inscribed label: "Dulcamara," "Os Sepia," "Rad. Arbusæ," and the like. Surely these products of nature *must* be more effective than modern drugs made from coal-tar laboratories? Yet these very laboratories are directly descended from the dark days of the alchemists, and the properties of sulphanilamide are more miraculous than those of any elixir vitae. It gives me a little shock, even so, when the chemist opens the drawer labelled "Gran. Paradis." and takes out Beecham's Pills, or from "Foen. Græcum" a nail-brush, while "Sax. Draconis" may have undergone a mutation to panchromatic film."—"Peripatetic Correspondent" in the "Lancet."



## PARLIAMENTARY NEWS

**Alcohol for Transparent Soap.**—Mr. Wootton-Davies asked the Parliamentary Secretary to the Ministry of Food, on April 13, what quantity of alcohol was used in the manufacture of transparent soap during the last known period; and whether alcohol was still being used to produce transparency in soap.

The Joint Parliamentary Secretary to the Ministry of Supply (Mr. Assheton): The sale of alcohol for the manufacture of transparent soap has been cut down in successive stages. In the first three months of this year supplies have been released in a quantity sufficient only to work off the existing stocks of materials, and no further releases will be made.

**Licensing Retail Traders.**—On April 21 Lieutenant Butcher asked the President of the Board of Trade whether he would take steps to license retailers, in order to preserve the private trader. Mr. Dalton said in reply that he hoped soon to receive a report from the Retail Trade Committee that had recently discussed proposals, which included that made in the question. When he received the report he would give consideration to the committee's recommendations.

**Token Exports.**—Mr. Hannah asked the President of the Board of Trade whether, to use the limited supplies of export goods in the best interests of the nation's future economic policy, he would issue a list of those goods which were preferential for his purpose, and whether he would regard these exports as token exports for the purpose of fostering the commercial goodwill of desirable overseas markets. The President of the Board of Trade (Mr. H. Dalton) replied that in present conditions exports had to be constantly reviewed. It would not be practicable to issue such a list.

**Sales of Pre-packed Drugs.**—On April 21 Major Lyons asked the Minister of Health whether, in view of the possible dangers to health resulting from the unrestricted sale of pre-packed drugs by chain stores and the like, he would institute an inquiry to ascertain the proportion of such drugs sold to the public by persons without any pharmaceutical training or qualification.

Miss Horsbrugh (for the Minister): No, Mr. My right hon. Friend would not, on the information before him, be justified in instituting the suggested inquiry.

Major Lyons: Will not the Department go further into this matter, in the interests of public health, in order to see what the position really is?

Miss Horsbrugh: Yes, sir.

**Herb Supplies.**—Replying to Mr. Groves on April 22, Mr. E. Brown (Minister of Health) said the supply of medicinal herbs was now a matter for the Minister of Supply, to whose notice he was bringing the suggestion that the assistance of the National Association of Medical Herbalists should be utilised.

**Policy Towards Retail Traders.**—Lieut.-Colonel Sir Thomas Moore asked the President of the Board of Trade on April 22 whether he could make a statement of Government policy towards the export and domestic retail trades, and whether it involved restricting every kind of trading unconnected with the production of war material.

The Parliamentary Secretary to the Board of Trade (Captain Waterhouse): The policy of His Majesty's Government is to limit the production of goods for home consumption to the minimum required to maintain the health and efficiency of the people and, for export, to trade which assists the prosecution of the war. . . . Further restrictions on manufacturers and traders in both home and export trade will no doubt have to be imposed as they become necessary for the full mobilisation of our resources.

Sir T. Moore: While admitting these necessities, is there no help that can be given to these unfortunate traders?

Captain Waterhouse: The Retail Trade Committee is considering these various problems.

**Toilet Preparations, Northern Ireland.**—Captain Crawford Browne asked the President of the Board of Trade whether he will state the total quantity of the goods supplied to hairdressers in Northern Ireland during any period before the war which is equal to that of the operation of the Limitation of Supplies Order (Toilet Preparations) up to date; and what is the percentage of such goods supplied during the latter period of the quantity supplied during the former period?

Captain Waterhouse: I regret that I have no information about the amounts of these goods supplied to particular areas of the United Kingdom.

# LIVERPOOL ANNUAL MEETINGS

THE ninety-second annual general meeting of the Liverpool Chemists' Association and the twentieth annual general meeting of the Liverpool Branch of the Pharmaceutical Society were held on April 16, Mr. W. E. Humphreys presiding.

## Reports

MR. W. E. SHEPHERD, who submitted a combined annual report, stated:—

Pharmaceutical conditions, with their dependence on supplies of natural products from all parts of the world, have become progressively more difficult, whilst the calling-up of a number of pharmacists to the age of thirty worsened the staffing of pharmacies, and resulted in the closing of some. The Liverpool Insurance Committee reported the closure of thirty-one pharmacies due to staffing difficulties and enemy action. With the raising of the age limit to forty, the Central and District War Committees have to face increased problems. The appeal for the Society's Benevolent Fund this year produced £80; this, with amounts sent direct, brought the total from the area to £127. The Council thanked all who helped to make this total possible. Disappointment was later expressed that Liverpool's place at the head of the list of subscribers had been taken by another city. The Council also thanked Mr. J. L. HIRST for his services on the Liverpool Insurance Committee and Messrs. A. S. FURNISS, J. L. HIRST, M. S. HUGHES, G. L. CLUBB, W. E. HUMPHREYS, L. W. MUSSELL and W. J. TRISTRAM for their services on the pharmaceutical service subcommittee; Messrs. J. L. HIRST and J. RAE served on the Council of Associated Learned Societies of Liverpool, and Mr. J. L. HIRST on the City Technical College management subcommittee.

## Association Business

ON the year's working of the Liverpool Chemists' Association, there was a credit balance of £15, which, added to the balance brought forward, made a total of £122. It was left to the Council to decide whether some of this money should be invested. Membership is 125. Mr. W. E. HUMPHREYS was elected *President* for the third successive year; Councillor W. J. TRISTRAM, J.P., was re-elected *Vice-president*; Mr. W. E. SHEPHERD, *Secretary*; and Mr. MARTIN S. HUGHES, *Treasurer*. The Council was re-elected *en bloc*.

## Pharmaceutical Society Branch

MR. L. MORETON PARRY paid tribute to the memory of the late Mr. A. C. ABRAHAM. Membership of the branch was reported as 615, and the credit balance as £35. The following retiring members of the *Committee* were re-elected: Messrs. G. L. CLUBB, J. L. HIRST, M. S. HUGHES, and W. E. HUMPHREYS.

## Discussion

A motion by the Bradford Branch, submitted for discussion at the branch representatives' meeting of the British Pharmaceutical Conference, that there should be a great organisation for all holders of the Society's qualification, brought forth considerable comment, much of it unfavourable. MR. L. MORETON PARRY considered the resolution might have mischievous effects on the understandings and functions of the Society and National Pharmaceutical Union. MR. J. L. HIRST hoped level-headed people would not be influenced by one faction or the other. The existing machinery was working smoothly. MR. G. L. CLUBB said it was a pity so many were "led up the garden path" by certain eminent people coming to the branches.

MR. L. MORETON PARRY said there was a justifiable feeling that employees should be organised and that it should be the duty of the Society's Council to support an organisation of employees, just as it assisted in forming the N.P.U. MISS PRESCOTT contended that pharmacy was behind the times in regard to employee organisation.

MR. J. L. HIRST said there was dislike of an organisation which was ancillary to a larger body, and whose chief official was not a chemist. An arrangement whereby a junior association could appeal to a more powerful organisation to throw its weight about would not appeal to him at all.

Replying to the suggestion that in the post-war reconstruction period dispensing should be the exclusive job of pharmacists MR. G. L. CLUBB said he believed the dispensing of Liverpool could be done by twenty or thirty pharmacists. There were far too many pharmacists in the country to do all the dispensing. On the suggestion of a postal course of business training for pharmacists, MR. J. L. HIRST exclaimed: "I have seen more examination paper



than anyone else in this room; for heaven's sake don't put any more subjects on the curriculum. The Society has the duty of protecting pharmacy for pharmacists; business training is a matter for the N.P.U., which is already doing it along certain lines." MR. L. MORETON PARRY said he was not prepared to add to the burdens of chemists now qualifying, unless proper provision was made for remuneration at the end of the qualifying period. He did

not want to see British pharmacy reduced to the level of American; he hoped never to see them vendors of ice cream and in charge of free luncheon counters.

The following delegates were appointed to the Conference: Messrs. W. E. Humphreys, Councillor W. J. Tristram, J.P., W. E. Shepherd, M. S. Hughes and J. L. Hirst; reserve delegates, Messrs. G. L. Clubb, H. Humphreys Jones and E. A. Briggs.

## EXAMINATION RESULTS

The following table shows the results of the examinations held by the Pharmaceutical Society, March-April:—

Examination	Entered	Absent	Failed	Referred	Passed
INTERMEDIATE:					
(a) Whole examination	21	—	13	6	2
(b) Referred subject ..	38	—	—	19	19
CHEMIST AND DRUGGIST QUALIFYING:					
(a) Whole examination	34	3	16	8	7
(b) Referred subject ..	24	—	—	6	18

The Board prescribed that before re-entry for the examination eleven candidates should undergo a further course of study, as follows:—

*Intermediate.*—In botany section of biology, 1; in biology, 3; in chemistry, 3; in chemistry and physics, 1; in physics, 1.

*Chemist and Druggist Qualifying.*—In pharmacognosy, 1; in pharmaceutical chemistry, 1.

The following satisfied the examiners in the Chemist and Druggist examination:—

Baron, Jack, Bolton  
 Bradbury, N. W., Blackpool  
 Brindle, Leonard, Bolton  
 Buckley, Percy, Delph  
 Casey, John, Salford  
 Clarke, G. U., Wembley  
 Clarke, G. H., Leamington Spa  
 Cox, A. J., Warrington  
 Crowther, Sydney, Huddersfield  
 Dale, Cyril, Bury  
 Davies, R. R., Neath  
 Egelnick, Cyril, Spitalfields

Evans, R. R., Cardiff  
 Fenton, A. H., Mansfield  
 Gooder, Geoffrey, Huddersfield  
 Greenwood, George, Rawtenstall  
 Hamer, Leslie, Rochdale  
 Jenkins, D. C. G., City  
 Kerr, R. N. S., Pinner  
 Lloyd, D. J., Llandyssul  
 Morris, Edward, Cheetham  
 Pickard, John, Huddersfield  
 Reeson, W. A., Bexley Heath  
 Richards, J. R., Tonyrefail  
 Wood, F. C., Kingswood

### SUMMARY OF REJECTED CANDIDATES

Subject	Entered	Absent	Referred	Failed
Biology (botany and zoology) ..	53	0	19	11
Botany (botany section only) ..	1	0	0	0
Chemistry ..	23	0	3	10
Physics ..	24	0	2	11
Pharmacognosy ..	36	3	0	10
Pharmaceutics ..	43	3	3	12
Physiology ..	36	3	1	8
Pharmaceutical chemistry ..	41	3	8	12
Forensic pharmacy ..	35	3	2	8

### Scotland

The following satisfied the examiners in the Chemist and Druggist Qualifying examination held in Scotland in March-April:—

Beaton, Co. M., Ayr  
 Dale, Theo, Sunderland  
 Gillon, William, Glasgow  
 Guthrie, Martin, Leith  
 Parks, E. W. R., Salisbury  
 Prince, K. N., Llandudno  
 Trevor-Jones, Melville, Liverpool  
 Wilson, J. McG., Carnwath

## TRADE NOTES

**New Prices for Brylcreem, etc.**—County Perfumery Co., Ltd., have issued a new scale of prices for Brylcreem, Brylfoam and Hiltone Bleach, based on the new purchase tax of 66 $\frac{2}{3}$  per cent. Full details will be given in a C. & D. advertisement on May 9.

**Price Increase.**—An announcement of increased prices for Phillips' magnesia beauty creams and Danderine, consequent upon the increased rate of purchase tax on toilet preparations, is made in this issue by Proprietary Articles, Ltd., 179-81 Acton Vale, London, W.3.

**African Agencies.**—Applications for representation by Lipworths, wholesale chemists, Johannesburg, as sole agents for the Union of South Africa, Rhodesia, and the Belgian Congo, are invited to be sent in writing to the Anglo-African Shipping Co. (S.A.), Ltd., 1 Throgmorton Street, London, E.C.2.

**Soft Soap.**—Adams, Butler & Co., Ltd., 300 Kingston Road, London, S.W.20, offer green soft soap in 6-oz. containers on cash-with-order or cash-on-delivery terms. In another announcement the same advertisers offer orange-, lemon-, and lime-flavoured cordials, not prepared from the fruits, for delivery in the London area only.

**"New Sulphanilamide Compound."**—Under this title, in THE CHEMIST AND DRUGGIST, April 18, p. 438, referring to sulphanilyl guanidine, it was stated "it is claimed that this is the first time this product has been made in this country on a commercial scale." This claim was made by the company referred to in the paragraph. Burroughs Wellcome & Co., 183-93, Euston Road, London, N.W.1, advise us that this claim "is inaccurate and unjustifiable" since they (Burroughs Wellcome & Co.) have been "manufacturing this compound for many months on a large commercial scale and in such quantities as to satisfy the needs of the Services and of the country in general."

**Photographic Competitions.**—To meet numerous demands for photographic competitions in 1942 similar to those they have conducted for many seasons past, Johnson & Sons, Manufacturing Chemists, Ltd., Hendon Way, Hendon, London, N.W.4, have decided to run two competitions this year, one ending on June 30 and the other on November 30. Owing to restrictions on the use of paper it is impossible to circular-

ise as in past years. The first of the competitions is being advertised in the "Amateur Photographer" and a few reprints of the advertisement are being mounted on cards which will be sent to any dealer on request. No other printed matter will be available.

### Proprietary Articles Trade Association

**Alterations to Protected List.**—*Aimé Lloyd & Co. (1933), Ltd.*, Euxesis shaving cream, pots, 1s. 10 $\frac{1}{2}$ d., 15s. doz., tax 5s doz., inclusive retail price 2s. 3 $\frac{1}{2}$ d.; tubes 9d., 6s. doz., tax 2s. doz., i.r.p. 11d.

*John Bell, Hills & Lucas, Ltd.*, Halibu oil and malt with colloidal iron (J. B. brand) 1-lb., 2s. 3d., 18s. 9d. doz., tax 3s. 1 $\frac{1}{2}$ d. doz., i.r.p. 2s. 6d.; 2-lb., 4s. 3d., 35s., tax 5s. 10d. doz., i.r.p. 4s. 9d.; 4-lb., 8s. 2d. 67s. 6d., tax 11s. 3d. doz., i.r.p. 9s. 1d. 7-lb., 14s. 2d., 117s., tax 19s. 6d. doz., i.r.p. 15s. 9d. Bonus of thirteen to doz. on three doz. withdrawn. Triad brand cherry malt and oil, 1-lb., 2s. 1d., 18s., tax 3s. doz., i.r.p. 2s. 4d.; 2-lb., 3s. 11d., 34s., tax 5s. 8d. doz. i.r.p. 4s. 5d.; 4-lb., 7s. 5d., 66s., tax 11s. doz., i.r.p. 8s. 4d.; 7-lb., 12s. 7d., 114s. 6d. tax 19s. 1d. doz., i.r.p. 14s. 2d. Bonus of thirteen to doz. on three doz. withdrawn. Manufacturers are unable to supply 4-lb. and 7-lb. sizes of either article, but prices have been included for completeness.

*Numol, Ltd.*, Numol, new size 2s., 18 doz., exempt from purchase tax. 1s. 6d. and 11s. 6d. sizes withdrawn. Prices of 4s. 6d. and 6s. 6d. sizes unchanged. Proctor's Pinelyptus: 6d. size Pastilles withdrawn.

**Increase in Purchase Tax Prices.**—The following adjustments have been made to cover the recent increase in the rate of tax applicable to toilet articles to 66 $\frac{2}{3}$  per cent.

**Boncilla Preparations.**—6d. sizes, 4s. doz., tax 2s. 8d. doz., i.r.p. 9d.; 1s. 6d. sizes, 12 doz., tax 8s. doz., i.r.p. 2s. 2d.; 3s. size 24s. doz., tax 16s. doz., i.r.p. 4s. 4d.

**Colloidal Chemists, Ltd.**, Dermina reducing cream, 4s. 9d., 38s. doz., tax 25s. 4 doz., i.r.p. 6s. 10d.; 9s., 72s. doz., tax 48s. doz., i.r.p. 13s.; 15s. 6d., 124s. doz., tax 82s. 8d. doz., i.r.p. 22s. 6d.; 26s. 6d., 212 doz., tax 141s. 4d. doz., i.r.p. 38s. 3d.

**Northam Warren, Ltd.**, Cutex manicure preparations, 6d. sizes, 4s. doz., tax 2s. 8 doz., i.r.p. 9d.; 9d. sizes, 6s. 9d. doz., tax 4s. 6d. doz., i.r.p. 1s. 1 $\frac{1}{2}$ d.; 1s. sizes, 9s. doz., tax 6s. doz., i.r.p. 1s. 6d.; 1s. 6d. sizes, 12 doz., tax 9s. doz., i.r.p. 2s. 3d.; 2



es, 18s. doz., tax 12s. doz., i.r.p. 3s.;  
 1. 9d. sizes, 24s. 9d. doz., tax 16s. 6d. doz.,  
 p. 4s. 1d.; 5s. sizes, 45s. doz., tax 30s.  
 z., i.r.p. 7s. 6d.; 8s. 6d. sizes, 76s. 6d.  
 z., tax 51s. doz., i.r.p. 12s. 9d.; 12s. 6d.  
 es, 112s. 6d. doz., tax 75s. doz., i.r.p.  
 s. 9d. Odo-ro-no deodorants, 6d. sizes,  
 1. 6d. doz., tax 3s. doz., i.r.p. 9d.; 1s. 6d.  
 es, 13s. 6d. doz., tax 9s. doz., i.r.p.  
 3d.; 2s. 6d. sizes, 22s. 6d. doz., tax 15s.  
 z., i.r.p. 3s. 9d.

*Parke, Davis & Co.*, Dermalac, 1s. 6d.,  
 s. doz., tax 8s. doz., i.r.p. 2s. 2d.

*Louis Philippe Preparations*, 2s. sizes,  
 s. doz., tax 10s. 8d. doz., i.r.p. 2s. 11d.;  
 sizes, 24s. doz., tax 16s. doz., i.r.p.  
 4d.; 4s. 6d. sizes, 36s. doz., tax 24s. doz.,  
 p. 6s. 6d.

*The Pompeian Co., Ltd.*, 6d. sizes, 4s. 2d.  
 z., tax 2s. 9½d. doz., i.r.p. 9d.; 1s. sizes,  
 4d. doz., tax 5s. 7d. doz., i.r.p. 1s. 6d.

*Solport Bros., Ltd.*, Portia products  
 including Nos. D54, 47, 60 and 450a):—  
 ices on application. Solapad belts,  
 lies silk, 10s. 6d. 84s. doz., tax 56s. doz.,  
 p. 15s. 2d.; ladies de luxe, 21s., 168s. doz.,  
 x 112s. doz., i.r.p. 30s. 4d.

**Deletions.**—*Northam Warren, Ltd.*, Parker  
 ay preparations. *Parke, Davis & Co.*, bath  
 ystals; cold cream, "Old Fashioned";  
 1. 6d. size Dermalac; Euthymol liquid  
 ntrifrice; talcum powder and vanishing  
 eam; tarfoam.

## TRADE MARKS

(From "The Trade Marks Journal,"  
 April 15, 1942)

**LAXEE**"; for window cleaning compositions  
 in tablet form (3). By The Dubarry Per-  
 fumery Co., Ltd., Goldstone Laboratories,  
 Hove Park Villas, Hove, Sussex. 617,363.

**ORRIDOR**"; for toilet preparations (not  
 medicated), (3). By Pinaud, Ltd., 128  
 Atkins Road, London, S.W.12. 618,095.

**LAZIDRA**" and **"STREPPADERM"**; for toilet  
 preparations (not medicated) for the hair  
 and scalp (3). **"CORROGLINT"**; for sham-  
 poos (3). **"HETEL"**; for toilet creams (3).  
**"OKKRIP"**; for toilet preparations for the  
 face (3). All by Vine's, 222-24 Harrow  
 Road, Paddington, London, W.2. 618,095-  
 104-096-099-102.

**HERAFOR**"; for all goods (5). By Imperial  
 Chemical Industries, Ltd., Wexham Road,  
 Slough, Bucks. 615,224.

**MP"**; for medical and surgical plasters, corn  
 remedies, surgical dressings and bandaging  
 material (5). By The General Kaputine  
 Syndicate, Ltd., Fields New Road, Chadder-  
 ton, Oldham. 617,056 (Associated).

**SVAC"**; for veterinary preparations and  
 substances (5). By Osmond & Sons, Ltd.,  
 Standard Chemical Works, Doughty Road,  
 Grimsby. 617,189.

## PERSONALITIES

**MR. JAMES INGLIS, M.P.S.**, 19 Main  
 Street, Turriff, has been appointed a justice  
 of the peace for the County of Aberdeen.

**PROFESSOR J. H. GADDUM**, of the Phar-  
 maceutical Society's College, London, has  
 been appointed to the Chair of Materia  
 Medica, Edinburgh University.

**MR. CYRIL J. STAUNTON, M.P.S.I.**, who  
 was previously medical representative for  
 Evans Sons Lescher & Webb, Ltd., has been  
 appointed drug representative for the firm in  
 Eire.

**CAPTAIN CYRIL DALY**, who has been in  
 charge of the pharmacy section of the Eire  
 Army, with headquarters at St. Bricin's  
 Hospital, Dublin, has recently been pro-  
 moted to the rank of Commandant.

**MR. HERBERT HODGSON, M.P.S.**, a past-  
 chairman and one of the most active mem-  
 bers of Leeds Branch of the Pharmaceutical  
 Society, has been elected chairman of the  
 Horsforth Urban District Council. Mr.  
 Hodgson is in business and lives at Hors-  
 forth, and his six years' membership of the  
 local authority has been marked by enthusi-  
 asm and vigour. He was chairman of the  
 Leeds Branch of the Pharmaceutical Society  
 in 1935-36, and has been on the branch  
 Council since 1930.

## BIRTHS

**BRUCE**.—At Cuparstone Nursing Home,  
 on April 7, Muriel (*née* Smith), the wife of  
 A. Leslie Bruce, M.P.S., Embangweni,  
 West Cults, of a son.

**MARSHALL**.—At 9 Regina Road, London,  
 S.E.25, on March 3, Rose, wife of Oscar H.  
 Marshall, M.P.S., of a son, Peter Oscar.

## MARRIAGES

**JENNINGS—GOVENLOCK**.—At the Church  
 of St. Michael, Oxford, on April 9, Philip  
 Jennings, M.P.S., 16 Hamilton Road,  
 Oxford, to Susan Jean Campbell.

## DEATHS

**FRASER**.—Recently, Mrs. Vera Fraser,  
 Ph.C., South Croft, Grove Hill, Middles-  
 brough. Mrs. Fraser qualified in 1917.

**SEWELL**.—At the Medical Hall, Killarney,  
 recently, Mrs. Eveline Sewell, M.P.S.I.,  
 wife of Mr. John J. Sewell, M.P.S.I.



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RETAILER — WHOLESALE — MANUFACTURER

culates throughout the Pharmaceutical, Chemical, Drug, Essential Oil, Perfumery, Cosmetic, Toilet Preparation and allied trades and Industries in Great Britain, Eire, British Empire, and foreign countries

Official organ of The Pharmaceutical Society of Great Britain, The Pharmaceutical Society of Northern Ireland, The Chemists' and Druggists' Society of London and of other Chemists' Societies in the Empire

CXXXVII MAY 2, 1942 NO. 3247

The fact that goods made of raw materials in short supply owing to war conditions are advertised in this paper or described in its editorial columns should not be taken as an indication that they are necessarily available for export.

## We Suffer from the Blitz

We would ask our readers to accept our regrets for any delay that may occur in the publication of this issue of THE CHEMIST AND DRUGGIST because of damage done at London by enemy action. We are glad to be able to report that all members of our staff escaped injury. At short notice we were fortunately been able to make arrangements for the printing and publishing to be done elsewhere. This has enabled us to produce the usual weekly issue. Our readers will realise the many difficulties we have had to contend with under the circumstances, and we ask their indulgence for the omission of any news items which in normal times would have reached us in time for publication. The Publisher asks to apologise to advertisers for the omission of any advertisements in this issue owing to the non-arrival of the "copy" or for other reasons beyond our control.

## More Purchase Tax Decisions

The position regarding liability of toilet preparations to purchase tax has recently been reviewed by the Customs and Excise authorities. When, on April 15, the tax was increased on certain goods to two-thirds of the wholesale value, the section

of the Customs and Excise Notice No. 81 dealing with perfumery and toilet preparations appeared to require further clarification. Decisions have now been given by the Customs and Excise which settle the various difficulties which arose in this connexion. The following toilet preparations are excepted from the increased tax and remain chargeable at the rate of 33½ per cent :—

Soap, shaving creams, shampoos (includes all shaving soaps and shaving creams, soap shampoos and all other cleansing shampoos, and soap made up for sale as toilet soap); dentifrices, including tooth-pastes, tooth-powders and abrasives, and denture-cleaning preparations; toilet eye-lotions and eye-drops; mouth-washes and antiseptics, including liquid preparations for dental purposes, mouth-washes made with duty-paid spirits which are not eligible for rebate of spirit duty, effervescing mouth-wash tablets, styptic pencils and blocks, and other preparations chargeable under Class 18 which are recognised antiseptics; calamine lotions and similar alleviating toilet preparations (unperfumed), including dusting powders (untinted and unperfumed), smelling salts, deodorants which are clear liquid preparations containing an aluminium salt in solution prepared and sold solely for use in personal hygiene, emollient preparations, e.g., for the relief of sunburn or chafing, anti-midge and anti-bite creams and lotions and anti-midge lavender, foot pastes of the alleviating-cream type, alleviating bath preparations (unperfumed), and similar lotions, medicated creams and preparations of the kinds chargeable under Class 18, which are shown to the satisfaction of the Commissioners to be primarily intended for use as unperfumed alleviating preparations. It should be noted that, with the above exceptions, all preparations listed as chargeable under Class 18 of Notice No. 78, as amended by the Addendum, are chargeable at the higher rate of 66⅔ per cent. Thus, all cosmetics are chargeable at 66⅔ per cent., whether they contain antiseptic ingredients or not. Traders who claim that their preparations are recognised antiseptics should submit details of composition and use to the Commissioners.

The following articles (previously listed under Class 17 in Notice No. 78 and in the Addendum) are also regarded as alleviative preparations chargeable at 33½ per cent. :—

Unmedicated corn and bunion rings, pads and plasters; unmedicated adhesive felt in the specified packings; animal wool and lambs-wool prepared for chiropody use, in specified packings.

Drugs and medicines within Class 19 remain chargeable at the rate of 16⅔ per cent. They include dusting powders of the British Pharmaceutical Codex, medicinal eye-lotions and eye-drops, medicinal mouth washes made with duty-paid spirits which are eligible for rebate of spirit duty, lotio calaminæ N.W.F., corn cures, salves and paints.

### War Damage (Amendment) Bill

THE War Damage (Amendment) Bill, the text of which was issued on April 23, extends the period of time during which war damage to land and buildings was to be the subject of compensation under Part I of the War Damage Act, 1941, and the War Damage (Extension of Risk Period) Act, 1941, and makes certain additions to the provisions of the original Act and also a number of amendments to that Act. These additions and amendments extend not only to Part I of the Act but also to Part II, which deals with the insurance of business goods and private chattels against war damage. Clause I of the Bill discontinues the previous method of dealing with damage to land and buildings by way of successive "risk periods," each with its separate contribution, and provides for a single risk period dating from the outbreak of war and of indefinite length, which will continue until terminated by an order made by the Treasury and approved by the House of Commons. No addition is made to the current contributions, either in amount or in number, in respect of this extension, but the provisions of Section 22 of the War Damage Act, 1941, continue in force, i.e., the Treasury, with the approval of the House of Commons, may, if the expected receipts fall short of half the expected payments, increase the number of instalments, or their amount, or both; on

the other hand, if the expected receipts exceed the expected payments, Parliament may take steps to reduce the form. Clause 1 (3) of the Bill applies to the conditions the principles of Section 31 of the original Act, i.e., in determining whether a particular property is a contributory property or at what rate it should pay any instalment of contribution, regard is to be had to any new or changing circumstances which come into being after January 1 in the year within which the instalment falls due. Clause 5 provides statutory authority for compensation up to £50 provided by the Assistance Board, one part of the scheme for dealing with cases of hardship, in respect of goods compulsorily insurable under the Commodify Insurance Scheme.

Under Section 62 (1) (a) of the War Damage Act there is an exemption from compulsory insurance under the business scheme for any person whose business chattels do not exceed £1,000 in value. Under Section 62 (1) (c) certain kinds of goods are exempted from compulsory insurance altogether. Paragraph 3 of the third schedule to the Bill provides that goods in the latter category shall be regarded when computing the total value of the owner's business chattels for the purpose of (a) above. The Board of Trade has no power to make any payment under the business scheme unless the goods are insured, despite the fact that failures to insure may have been due to inability owing to circumstances arising out of the war, to pay the requisite premiums currently. Paragraph 4 gives the Board power to deal with such cases and provides statutory authority for certain payments made by the Assistance Board.

### Limiting Annual Conference

SOCIAL, commercial, and political organizations and trade unions which would normally be holding their annual conferences in the coming months are asked by the Government to consider whether the reasons which made the holding of such conferences desirable in past time justify their continuance in present conditions. The object of the request is to relieve transport services of the additional



rain caused by the gathering of representatives and delegates from all parts of the country at one point: it is essential that unnecessary travel should be avoided all times and especially at week-ends. The Government recognises that some conferences must be held, but urges that the number of persons attending should be

reduced to a minimum and that care should be taken to arrange the conferences at places which involve the minimum of long distance travel. It is understood that special travelling facilities for persons attending conferences, such as reserved coaches or special trains, will not be made available.

## MEDICAL ABSTRACTS

### Nicotinic Acid Requirements from Bread.

The minimal requirement of nicotinic acid sufficient to prevent pellagra in man has been calculated by Kodicek ("Lancet," March 28, p. 380) to be about 8-10 mgm. daily. This amount may not be enough, the author considers, to prevent sub-sufficiencies, and thus the desirable intake for optimum health may be higher. With an average current diet containing white bread the mean daily intake of nicotinic acid is about 9 mgm., which is below the desirable limit, but wholemeal bread increases the daily intake to about 12.3 mgm. The substitution of wholemeal for 10 per cent. wheatmeal for white bread thus renders the supply adequate.

**Silver Picrate in Vaginitis.**—The results of a five-year study on the use of silver picrate in the treatment of vaginitis is given by Corbit, McElroy and Clark in the "Journal of the American Medical Association," 1941, II, 1764. Under the routine treatment followed, 5 gm. of 1 per cent. silver picrate in kaolin is insufflated into the vagina at the first clinic visit. The patient is given six silver picrate suppositories (silver picrate, gr. 2, in a boroglyceride-gelatin base) and instructed to insert one each night before retiring and to use a sanitary pad. The insufflations are repeated weekly until the symptoms are relieved and smears are negative for the organism. Two suffice in most cases. Negative tests are recorded at three consecutive menstrual periods after cessation of the treatment, the patient is considered cured. The method has given satisfactory results in 94.1 per cent. of 546 cases of trichomoniasis and in 97 per cent. of 151 cases of moniliasis. Patients with a decidedly alkaline urine tend to be irritated by the therapy, but of the number treated only two were classed as sensitive. In all other patients treated with silver picrate there were no untoward reactions.

**Head-louse Insecticides.**—The high incidence (30-50 per cent.) of head lice in young women in industrial areas has led Busvine and Buxton ("British Medical Journal," April 11, p. 464) to investigate various methods of control. These writers find that special advantages as insecticides are possessed by 25 per cent. solution of technical lauryl thiocyanate in a white oil; 50 per cent. solution of lethane 384 special in similar oil; and derris cream (derris extract in castor oil to make a cream containing 1 per cent. rotenone and 7 per cent. derris extract). For any of these three the dose is 0.5 to 2 dr. (about 2 to 8 c.c.) a head, the lowest dose sufficing for a child with short hair, the highest for a woman with long thick hair. "The volume recommended is approximately that which people who apply brilliantine or hair oil generally use, so that the result is not unsightly, except on very fuzzy or very fair hair." In applying these materials the hair is parted by one hand and the liquid or cream put on the scalp with a teaspoon or pipette held in the other hand. This is done on eight spots, four on each side, and the material is then distributed by massaging with the fingers. It should not be distributed by combing, for that tends to draw the insecticide away from the scalp. The patient is instructed not to wash the head for ten days. If the concentrations of drug are reduced a considerable proportion of failures occur—a "failure" being an "incomplete kill" (even one live louse or egg found up to the tenth day results in a "failure" being recorded). The authors suggest that the thiocyanates might be introduced to the public as "medicated hair oil," and the derris cream as "medicated hair cream." The two thiocyanates (and to some extent the derris cream) have slight but disagreeable odours, easily masked by the addition of 2 per cent. citronella or bay oil or similar essential oil used in perfumery.

# OBSERVATIONS ON THE FUTURE OF PHARMACY

## I.—By E. M. Williams

WHAT exactly has happened to pharmacy in the last twenty years? Pharmacists must recognise, if they are honest with themselves, that they have little to be proud of. The majority have been content to trade on their qualification—ready to take advantage of anything offered them, but unwilling to give anything in return. Before one can determine the right path for pharmacy to follow today, one must know in what ways chemists have become worse off, and in what ways, if any, better off, in the last few years. In my opinion, the factors that have worsened the position of pharmacy are:—

1. Compulsory membership.
2. The appointment of qualified chemists as poisons inspectors. Chemists feel that the most frequent breaches of the poisons laws are committed in doctors' surgeries and in hospitals, and they are puzzled to know whether the inspectors check up on these offenders in the same way as they do on their brother pharmacists.
3. The latitude allowed to listed sellers of poisons that is not allowed to pharmacists. As an example, if a listed seller wishes to leave his premises, he may authorise another unqualified person to sell poisons in his or her absence. Pharmacists are not allowed to do this, even if the unqualified assistant has been in the trade for twenty or thirty years.
4. Repeal of the medicine stamp duty. Formerly manufacturers of patent medicines found it more profitable to sell their products through chemists, as in this way they were not compelled to stamp their products, so long as they complied with the necessary conditions. The difference in the wholesale price of the article to the chemist and that to the unqualified vendor did not by any means always represent the value of the stamp saved by virtue of the chemist's qualification.

On the other hand, are pharmacists better off in any way? I cannot think of any. A large number of chemists, especially those with a sense of financial values, endeavour to dissuade their children from entering a profession that is inadequately protected and whose status is not commensurate with expenses incurred. Surely this indicates an unhealthy state of affairs.

One would have thought, too, that chemists in business would have been directly consulted as to who should represent them on the committee of inquiry. Had that been done, it is quite possible that the personnel of the committee may have been different.

## Paths Open to Pharmacy

I it wishes to survive, pharmacy has one of two roads open to it. Either the training of the pharmacist should be radically altered to make him competent to hold out in business against multiple firms, chain stores, drug stores, grocers and hairdressers, to mention only a few, or pharmacists need to stand together and demand the protection which is their right. The first method is obviously impracticable. That leaves just the second alternative. But this can be accomplished—and in a comparatively short time. Conclusive proof of the absence of professional status in pharmacy is to be found in the attitude adopted by the War Office, medical profession and nursing profession toward pharmacists. Moreover, when a member of the public walks into a chemist's shop and has to wait perhaps a quarter of an hour whilst the chemist is busily engaged in selling toilet goods or torch batteries, that person naturally loses confidence in the chemist's professional claims. It is obvious that the chemist should confine himself to pharmacy, and that pharmacy—which includes supplying proprietary medicines, should be confined to pharmacists, the persons qualified and trained to handle and understand medicines and their preparation. There is no good reason why a pharmacist should deal in fancy goods, etc. in order to make ends meet, whilst the grocer across the street sells almost everything the pharmacist sells except a few drugs. No member of the public can honestly assert that there are insufficient pharmacies to supply the public with its medicinal needs.

A source of annoyance to many conscientious pharmacists is the attitude of apprentices that regards them as a source of inexpensive labour, the proprietors thinking little and caring less that the apprentice may in a few years be another pharmacist in opposition either to himself or to another chemist. Lastly, there are



pharmacists who are prepared, for a consideration, to work for anyone, without regard to any code of principles. Some are even working for organisations that distribute pharmaceutical products through unqualified channels with total disregard for their own profession. The attitude of a number of pharmacists to the Chemists' friends scheme is an indication of their shortsightedness and thoughtlessness. When the manufacturers decry the C.F. movement by saying that it will produce a wealth of substitutes, there is a good answer. The Pharmaceutical Society has the power to impose restrictions on pharmacists. It should be able to place restrictions on unqualified vendors as well.

Let us then summarise the improvements that are capable of being realised:—

1. Limiting the activities of pharmacists at the pharmacy. If a chemist wants to deal in "odds and ends," he should do it in separate premises at which he may not deal in medicines.
2. Limiting the distribution of medications for human use so that unqualified vendors have no power to deal in them.
3. Controlling apprentices, so that each pharmacist who wishes to train an apprentice is licensed by the Pharmaceutical Society.
4. The activities of members should be under the jurisdiction of the Society, to the extent that no pharmacist is allowed to work for a firm which engages in transactions adversely affecting the profession, or which sells medicine by wholesale to be retailed by unqualified vendors.
5. Explaining clearly to every student entering pharmacy what he may expect once he is qualified.

## 2.—By "Newly Qualified"

In the last thirty years the lawful trade members of the pharmaceutical profession engaged in retail business has been increasingly encroached upon by co-operative societies, chain stores of the American type, and other "Big Business" trends. What the results of "rehabilitation" of these concerns will be for the pharmacist in post-war Britain, suggests a grim picture not only for the established pharmacist but also for the young qualified man just out of college and taking his place in the pharmaceutical world.

Mr. Mallinson, the secretary of the National Pharmaceutical Union, has rightly described pharmacy as "the most remarkable professional organisation in existence." Something is not done, and done soon

and thoroughly, it may become the most remarkable flop in the history of professional organisations. It is no use bewailing what has happened in the past, for history need not repeat itself if chemists are prepared to fight—every man—for the recognition of his rights and professional status.

The "private" pharmacist's greatest enemies today are (1) the co-operative societies and (2) the chain stores, the former because they give dividends on pharmaceutical commodities, or in common parlance, "cut" prices; and the latter, the worse of the two evils, perhaps, because they sell patent medicines by untrained staff, but may in due time run pharmaceutical departments under the supervision of qualified men. We must envisage a dispensing service run on the 5 and 10 cent lines!

How are chemists to fight the vested interest and the "Big Business Man"? Here are a few suggested ways:—

1. By electing a Council of the Pharmaceutical Society whose members have direct personal contact with the areas which elect them.
2. By co-operation among pharmacists themselves. Branch meetings of either the Society and N.P.U. are far from well attended, and every town seems to rely on a select few, while others have always an important skittles match on the night of a meeting, and are never able to attend. "He that is not for me is against me" is reflected strongly in pharmaceutical circles. Persistent "absenteeism" should be dealt with.
3. By active support from all pharmacists for the C.F. scheme; preventing local "co-ops" from obtaining C.F. lines (tracing the source of supply, and if it proves to be a chemist's sundries house or wholesaler, instituting a boycott at once).
4. By collective local advertising.
5. By co-operation with local branches of the British Medical Association. In times past co-operation with the medical profession has varied from a sumptuous box of cigars at Christmas to cheap dispensing for club patients! Neither should be. Is it not possible to form a liaison committee of pharmacists with members of the medical profession? A greater sympathetic understanding of problems of mutual interest could be fostered at such conferences.
6. By avoiding undercutting. This never commanded respect, nor has it, in the long run, increased turnover.

# PAIN FROM VARYING pH OF INJECTIONS

SEVERAL research papers were read at an afternoon meeting of the Pharmaceutical Society held recently. Among them was "The Pain Effects of Injections of Varying pH," by Arthur W. Lupton. The main points of the paper, which was read by Mr. H. Berry, are given below.

## Pain from Injection

The author investigated whether careful and accurate adjustment of reaction and tonicity of solutions prior to injection was warranted. Buffered solutions were not used lest the various ions foreign to the body contributed to the effect. The solutions contained, therefore, only increasing H or OH ions in normal saline, and the tests were made by injection into the substance of the skin of the forearm. The author points out that intracutaneous injection has a limited application, and that the tests may thus give a wrong view of the suitability or otherwise of a solution when injected by any of the more usual routes. Apart from complications depending on the point of entry and track of the needle in relation to "pain spots," pain resulting from an injection may soon be masked or interfered with by the development of pressure and/or ischæmia anaesthesia from the bulk of the fluid injected. This was marked in many of the tests, sharp pain being followed by complete anaesthesia, the pain returning gradually, with increasing burning sensation, after some minutes.

## Conclusions

Nevertheless, tentative conclusions may, it is thought, be drawn from the experiments, though it is necessary also to bear in mind that patients vary considerably in sensitivity. A main conclusion would be that, while gross variation from neutrality (outside the range pH 4 to pH 10) and/or isotonicity may, at the more sensitive sites of injection, give rise to some pain, it is always transitory, for the reason that physiological mechanisms immediately come into play which, in effect, restore neutrality and isotonicity. Even pure sterile water, when injected into or below the skin, produces acute pain, which, however, passes off in a few seconds. Restoration of normal reaction and tonicity by physiological means is so rapid that no objective evidence of tissue irritation in the most sensitive skins could be found by the

author with any of the solutions used. Reactions from 0.1 mil of solution were:—

- pH 10 Slight pain, passing off quickly
- pH 9 No pain.
- pH 5.5 Very slight pain as fluid enters
- pH 3.5 Sharp pain. Soon disappears but reappears after about three minutes.
- pH 2.8 Very sharp pain, disappearing etc., as above.
- pH 2.4 Searing pain, again transitory.

Hypo- and hypertonic solutions gave similar results, but these were deemed outside the range of the paper, and were not given.

## Reaction is of Secondary Importance

Evidence tends to show, concludes the author, that, other things being equal reaction and tonicity of a solution for injection are of secondary importance in causing pain or tissue irritation to the irritant properties of the active principle. Their accurate adjustment is not warranted. Physiological mechanisms make quick work of dealing with abnormalities of reaction, etc., but they may be relatively powerless to deal with the irritant properties of the drug. There is no need only to consider in this connexion the violently irritant drugs, such as the organic arsenicals, quinine, emetine, etc.

Local anaesthetics, in the strengths in which they are usually employed, and even when used in neutral isotonic solution, produce demonstrable objective effects of tissue damage which last for days, while *p*-chloro-*m*-cresol in the doses recommended for injection produces, on intracutaneous injection, a reaction that may last a fortnight.

CULINARY HERB CULTIVATION.—A 17 page brochure entitled, "Culinary Herbs and their Cultivation" has recently been issued by the Ministry of Agriculture and Fisheries (Bulletin No. 125, H.M. Stationery Office, price 4d.) to meet the need for advice required by growers. Only those herbs which are now in demand for use in the kitchen for seasoning, sauces, etc., have been included in the Bulletin. The monographs include information on the type of the particular herbs which can be grown commercially, cultivation, forcing, measures against herb diseases, etc.



# TRADE REPORT

Spot prices for pharmaceutical, chemicals, crude drugs and essential oils represent prices for wholesale quantities of standard quality. C.i.f. quotations do not include marine war risk insurance and other abnormal charges payable in the present emergency

28 Essex Street, W.C.2, April 29

NOTHING of exceptional interest has occurred in the London drug and chemical markets during the past week, but business in the whole has been quite good. A fair home consuming demand has been met, and some export business has been done. Few changes have occurred in prices, which are mostly firm. In the PHARMACEUTICAL CHEMICALS markets business is restricted, with no important changes in values to record.

## Crude Drugs

Business in this section has been of a routine character with few quotable changes. Little interest is being taken in Japanese GINSENG, although a few bales still seem to be available. CAPE ALOES is firmer on spot. No change is recorded in the price of English ANTIMONY. Spot supplies of ARECA NUT appear to have been cleared. A fair quantity of CASCARILLA is reported to have been sold during the week, and quills seem to be no longer available. Values of all grades of CHILLIES are unchanged. Some poor-quality DRAGON'S BLOOD is reported offered on spot. Quiet conditions obtain in IPECACUANHA. MENTHOL has been in better inquiry, but spot supplies are rather difficult to locate. Values of the principal medium grades of TRAGACANTH are again at lower levels.

## Essential Oils

Only a restricted business continues in these products, and price changes are few. NISSE (STAR) has been in steady inquiry. ANJUT is firm, but the price is unaltered. No change has been notified in English stillers' prices for CLOVE. LEMONGRASS remains firm at the prices quoted last week. PATCHOULI is nominal. Demand for PEPPERMINT has been maintained, but spot supplies are not easy to find.

## Exchange Rates on London

The following were the Bank of England official rates of exchange at the opening on April 29: New York, \$4.03; Montreal, \$4.45; Rio de Janeiro, 17.35 francs; Lisbon, 100 escudos;

Netherlands West Indies, 7.60 florins; Stockholm, 16.90 kroner; Buenos Aires, 17.02 paper pesos. The free market rates include Madrid, 40.50 pesetas (official) and 46.55 pesetas (voluntary); Chinese national dollar, 31<sup>1</sup>/<sub>2</sub>d.

## Pharmaceutical Chemists

ACETANILIDE.—The supply position and prices are without change. B.P.C. crystals and powder, from 2s. 4d. to 2s. 6d. per lb., according to quantity.

ALLOBARBITONE.—The price quoted by British makers remains at about 60s. per lb.

AMIDOPYRINE.—Any available small supplies would be worth about 45s. per lb.

AMPHETAMINE.—British makers quote at around 150s. per lb.

ASPIRIN.—Demand is fair; makers' prices steady:—

Quantity	In containers of				
	1 lb.	4 lb.	7 lb.	14 lb.	28 lb.
	s. d.	s. d.	s. d.	s. d.	s. d.
From 1 lb. . .	4 1 <sup>1</sup> / <sub>2</sub>	—	—	—	—
From 4 lb. . .	4 0 <sup>1</sup> / <sub>2</sub>	3 10 <sup>1</sup> / <sub>2</sub>	—	—	—
From 7 lb. . .	3 11 <sup>1</sup> / <sub>2</sub>	3 9 <sup>1</sup> / <sub>2</sub>	3 9 <sup>1</sup> / <sub>2</sub>	—	—
From 14 lb. . .	3 10 <sup>1</sup> / <sub>2</sub>	3 8 <sup>1</sup> / <sub>2</sub>	3 8 <sup>1</sup> / <sub>2</sub>	3 8	—
From 28 lb. . .	3 9 <sup>1</sup> / <sub>2</sub>	3 7 <sup>1</sup> / <sub>2</sub>	3 7 <sup>1</sup> / <sub>2</sub>	3 7	3 6 <sup>1</sup> / <sub>2</sub>
1 cwt. . .	3 2 <sup>1</sup> / <sub>2</sub>	3 0 <sup>1</sup> / <sub>2</sub>	3 0 <sup>1</sup> / <sub>2</sub>	3 0 <sup>1</sup> / <sub>2</sub>	2 11 <sup>1</sup> / <sub>2</sub>
5 cwt. . .	3 2	3 0 <sup>1</sup> / <sub>2</sub>	2 11 <sup>1</sup> / <sub>2</sub>	2 11 <sup>1</sup> / <sub>2</sub>	2 11
10 cwt. . .	3 1	2 11 <sup>1</sup> / <sub>2</sub>	2 10 <sup>1</sup> / <sub>2</sub>	2 10 <sup>1</sup> / <sub>2</sub>	2 10

\* 8 x 14 lb. and upwards in one delivery, <sup>1</sup>/<sub>2</sub>d. per lb. less. Sale subject to buyer's undertaking not to re-sell any quantity at prices or terms below scale for such quantity current at time re-sale is made, and, if powder is converted into tablets, not to sell any number at prices or terms below scale current at time of sale.

ASPIRIN TABLETS.—Makers' prices are steady, as follows: Under 5,000, 3s. 3<sup>1</sup>/<sub>2</sub>d.; 5,000, 3s. 1<sup>1</sup>/<sub>2</sub>d.; 10,000, 3s. 0<sup>1</sup>/<sub>2</sub>d.; 25,000, 2s. 10<sup>1</sup>/<sub>2</sub>d.; 50,000, 2s. 9<sup>1</sup>/<sub>2</sub>d.; 100,000, 2s. 8<sup>1</sup>/<sub>2</sub>d.; 250,000, 2s. 8d.; 500,000, 2s. 7<sup>1</sup>/<sub>2</sub>d.; 1,000,000, 2s. 6<sup>1</sup>/<sub>2</sub>d.; 2,000,000, 2s. 5<sup>1</sup>/<sub>2</sub>d. per 1,000.

ATROPINE.—Details of maker's prices, which are unchanged, were given last week (p. 473).

BENZALDEHYDE.—There is nothing new to report in the supply position. Makers' prices remain at the levels recorded last week.

BENZOIC ACID.—Price would be about 2s. 6d. to 3s. per lb., according to quality and quantity.

BENZYL BENZOATE.—Reasonable supplies are stated to be available for medical purposes. Prices are unchanged at about 4s. 6d. to 5s. per lb.

**BISMUTH SALTS.**—As noted last week, subgallate has been advanced by threepence per lb. Other prices are unchanged:—

Salt	Under 4 lb.	4 lb. and under 8 lb.	8 lb. and under 28 lb.	28 lb. and under 1 cwt.	Not less than 1 cwt.
Carbonate ..	s. d. 11 3	s. d. 10 9	s. d. 10 0	s. d. 8 7	s. d. 8 4
Citrate ..	13 4	12 10	12 1	10 4	10 1
Nitrate, cryst.	7 7	7 1	6 4	5 7	5 4
Oxide ..	15 4	14 10	14 1	12 0	11 9
Salicylate ..	11 9	11 3	10 6	9 0	8 9
Subchloride ..	14 11	14 5	13 8	11 8	11 5
Subgallate ..	13 1	12 7	11 10	10 4	10 1
Subnitrate ..	9 11	9 5	8 8	7 6	7 3

Rebate of threepence per lb. allowed off 1-cwt. prices on sales of not less than 2 cwt., or against contracts of not less than 2 cwt., provided whole of contract quantity is ordered within three months. Contracts subject to rise-and-fall clause. Prices net; payments in fourteen days. For quantities of 28 lb. and upwards, in the home trade, an extra charge of threepence per lb. is made for 1-lb. cartons and 1-lb. parcels, even when repacking into cartons or parcels is effected by purchaser. Smaller quantities than 28 lb. are not subject to this extra charge. Under present conditions all prices and sale terms are without engagement.

**BORAX and BORIC ACID.**—The latest price change occurred on November 24, 1941, when prices were standardised, as follows:—

	Commercial	B.P. quality
	per ton	per ton
<b>BORAX:</b>		
Granulated ..	£31 10s.	£39 10s.
Crystal ..	£32 10s.	£40 10s.
Powder ..	£33 0s.	£41 0s.
<b>BORIC ACID:</b>		
Granulated ..	£52 15s.	£60 15s.
Crystal ..	£53 15s.	£61 15s.
Powder ..	£54 15s.	£62 15s.

Packed in one-cwt. bags, delivered carriage paid Great Britain, in one-ton lots and upwards.

**BROMIDES.**—Makers' prices for POTASSIUM are steady at the following figures:—

Quantity	In parcels of				
	1 lb.	4 lb.	7 lb.	14 lb.	28 lb.
	s. d.	s. d.	s. d.	s. d.	s. d.
From 1 lb. ..	3 11	—	—	—	—
From 4 lb. ..	3 10	3 8½	—	—	—
From 7 lb. ..	3 9	3 7½	3 6½	—	—
From 14 lb. ..	3 8	3 6½	3 5½	3 5½	—
From 28 lb. ..	3 7	3 5½	3 4½	3 4½	3 4
1 cwt. ..	3 0½	2 10½	2 10½	2 10	2 9½
5 cwt. ..	2 11½	2 9½	2 9½	2 9	2 8½

**SODIUM**, 1d. per lb. extra; **AMMONIUM**, 3d. per lb. extra; packing extra but returnable. Net. Carriage paid in United Kingdom on minimum one-cwt. lots. Contracts over six months; each delivery against contract to be charged at schedule rates current on day of dispatch. War-emergency clause and usual re-sale terms apply.

**CITRATES.**—Makers' prices are without change on the week. For details of current schedule see C. & D., April 11, p. 423.

**COCAINE.**—**HYDROCHLORIDE** and **NITRATE** 25 oz. and over, 35s. 8d.; 16 oz. and less than 25 oz., 36s. 10d.; over 8 oz. and less than 16 oz. 38s. per oz. **ALKALOID**, **CITRATE**, and **SALICYLATE**, 25 oz. and over, 39s. 1d.; 16 oz. and less than 25 oz., 40s. 4d.; over 8 oz. and less than 16 oz., 41s. 7d. per oz., 16-oz. packages for smaller packing extra. The scale of price applicable to distributors of smaller quantities is as follows: **HYDROCHLORIDE** and **NITRATE** 8 oz., 40s.; 4 oz. and less than 7 oz., 40s. 7d. 2 oz. and less than 4 oz., 41s. 6d.; 1 oz. and less than 2 oz., 42s. 7d.; ½ oz. and less than 1 oz., 44s. 2d.; ¼ oz. and less than ½ oz., 47s. 3d. per oz. **ALKALOID**, **CITRATE** and **SALICYLATE** 8 oz., 43s. 5d.; 4 oz. and less than 8 oz., 44s. 2 oz. and less than 4 oz., 44s. 11d.; 1 oz. and less than 2 oz., 46s. 2d.; ½ oz. and less than 1 oz., 47s. 9d.; ¼ oz. and less than ½ oz., 50s. 10d. per oz., packages extra. Re-sale: Sales subject to buyer's undertaking not to resell any quantity below scale current at time of re-sale. Export prices vary according to destination.

**CODEINE.**—Makers' prices are steady at the levels recorded last week (p. 474).

**ETHERS (METHYLATED).**—The following are makers' prices:—

Specific gravity and grade	Winchester quarts, per lb.	Not less than		Drum and carbon per lb.
		6 w. qts., per lb.	12 w. qts., per lb.	
	s. d.	s. d.	s. d.	s.
0.750 ..	1 5½	1 4½	1 4½	1
0.735 ..	1 5½	1 5½	1 4½	1
0.730 ..	1 5½	1 5½	1 4½	1
0.725 ..	1 7½	1 7½	1 6½	1
0.725 triply rectified ..	2 0½	1 11½	1 11½	1 1
0.720 ..	1 8½	1 8½	1 7½	1
0.717 ..	2 2½	2 2½	2 1½	2
0.720 B.P., not for anaesthesia	1 10	1 9½	1 9	1

Net prices, usual terms. Special prices for quantities contracts, subject to rise-and-fall clause. Prices anaesthetic ethers unchanged.

**GLYCERIN.**—Current rates for small quantities are as follows: 1-cwt. drum, 86s. per cwt. 56-lb. tin, 94s.; 28-lb. tin, 97s.; 14-lb. tin, 100s. per cwt. All prices are subject to discount of 2½ per cent. for cash in twenty-eight days.

**MERCURY IODIDES.**—Makers' prices are changed: **RED**, less than 7 lb., 17s. per lb. not less than 7 lb., 16s. 8d.; not less than 14 lb., 16s. 2d. **GREEN**, less than 7 lb., 19s. not less than 7 lb., 18s. 8d.; not less than 14 lb., 18s. 2d. **YELLOW**, less than 7 lb., 20s. 8d.; not less than 7 lb., 20s. 4d.; not less than 14 lb., 19s. 10d. per lb. net, carriage paid.

**METHYL SALICYLATE.**—Steady at makers' prices: Five cwt., 1s. 10d. per lb.; one cwt., 1s. 10½d.; smaller lots, in bottles, 2s. 0½d. per lb.



**PHENAZONE.**—About 19s. per lb. would be wanted for any small available supplies.

**PHENOLPHTHALEIN.**—No changes have been notified in makers' prices: Less than 7 lb., 3d. per lb.; 7 lb., 4s. 2d.; 14 lb., 4s. 1d.; 1 lb., 4s.; 1 cwt., 3s. 11d.

**PILOCARPINE.**—There are no changes in makers' prices: BASE.—25 oz., 26s. per oz.; 1 oz., 26s. 6d.; 1 oz., 27s. HYDROCHLORIDE.—1 oz., 20s. 3d.; 4 oz., 20s. 9d.; 1 oz., 21s. 3d. RATE.—25 oz., 17s. 6d.; 4 oz., 18s.; 1 oz., 18s. 6d.

**POTASSIUM PERMANGANATE.**—The following are makers' present scales of prices: B.P., in cwt. drums.—From 1 cwt., 1s. 10d. per lb.; from 3 cwt., 1s. 9½d. Technical, in 1-cwt. drums.—From 1 cwt., 17os. 6d. per cwt.; from 3 cwt., 6s.; from 5 cwt., 163s. 6d.; from 1 ton, 161s.; from 4 tons, 158s. 6d. Technical, in 5-cwt. drums.—From 5 cwt., 161s. per cwt.; from 1 ton, 158s. 6d.; from 4 tons, 156s. 3d. Net, delivered nearest railway station in Great Britain, drums extra and returnable.

**SALICYLIC ACID (B.P.).**—Makers' prices are steady at the recent increase:—

containers of	1 lb.	4 lb.	7 lb.	14 lb.	28 lb.
under 4 lb.	s. d. 2 8½	s. d. —	s. d. —	s. d. —	s. d. —
from 4 lb. to 7 lb.	2 7½	2 5½	—	—	—
from 7 lb. to 14 lb.	2 6½	2 4½	2 4½	—	—
from 14 lb. to 28 lb.	2 5½	2 3½	2 3½	2 3	—
1 lb.—1 cwt.	2 4½	2 2½	2 2½	2 2	2 1½
1 cwt.—5 cwt.	2 0½	1 10½	1 10½	1 10*	1 9½

\* 8 × 14 lb. and upwards, in one delivery, ½d. per lb. Prices include parcels or collapsible cartons; other packages charged extra. Prices subject to buyer's undertaking not to re-sell any quantity at prices or terms now scale current at time of re-sale.

**SANTONIN.**—There are no changes in Conant prices for the home trade: 15 kilos and over, £46 10s.; not less than 10 kilos, £47 5s.; not less than 5 kilos, £48 5s.; less than 5 kilos, 10p. per kilo, delivered free in the United Kingdom; 1-kilo packages free.

**SODIUM SALICYLATE.**—Makers' quotations are as follows: From 5 cwt. (28-lb. parcels), 1s. 1d.; from 1 cwt. (28-lb. parcels), 2s. 1½d.; from 28 lb. (28-lb. parcels), 2s. 6½d.; from 14 lb. (14-lb. parcels), 2s. 8d.; from 7 lb. (7-lb. parcels), 2s. 9½d.; from 4 lb. (4-lb. parcels), 3s. 10½d.; under 4 lb. (1-lb. parcels), 3s. 1½d. or 1 lb.

**SULPHONAL.**—Supplies are poor, and about 5s. 6d. per lb. would be wanted for any available small lots.

**TANNIC ACID.**—The present value of any available small spot supplies would be in the region of 7s. to 7s. 6d. per lb.

**VANILLIN.**—Makers' prices remain at the following levels: Ex clove oil or guaiacol, five t., 22s 6d. per lb.; one cwt., 22s. 9d.; 1 lb., 23s.; less than 56 lb., 23s. 3d., carriage paid in U.K. Tins in cases returnable.

**STRYCHNINE SALTS.**—British makers' prices per oz. are as follows:—

Compound	Under 100 oz.	100 oz. and under 500 oz.	500 oz. and over
Alkaloid, crystalline . . .	s. d. 3 0	s. d. 2 10½	s. d. 2 9
Alkaloid, precipitated . . .	3 0	2 10½	2 9
Acetate . . . . .	3 2½	3 1	2 11½
Arsenate . . . . .	3 1	2 11½	2 10
Arsenite . . . . .	3 2½	3 1	2 11½
Bisulphate . . . . .	2 4½	2 3	2 1½
Hydrochloride . . . . .	2 9½	2 8	2 6½
Hypophosphite . . . . .	5 6	5 4½	5 3
Nitrate, crystalline . . . .	2 9½	2 8	2 6½
Nitrate, powder . . . . .	2 9½	2 8	2 6½
Nitrate, powder, No. 2 . . .	2 3	2 1½	2 0
Phosphate . . . . .	3 7½	3 6	3 4½
Sulphate, neutral, crystalline . . . . .	2 6	2 4½	2 3
Sulphate, neutral, powder . .	2 6	2 4½	2 3
Sulphate, neutral, powder No. 2 . . . . .	2 1	1 11½	1 10

25-oz. containers and outer cases free; smaller packages extra. Contracts may be booked for quantities of 100 oz. and over, with rise-and-fall clause, for a period of six months. Terms net thirty days. Wholesale distributors' prices for small quantities would be dearer.

## Crude Drugs

**ACONITE ROOT.**—In short supply on spot at about 2s. per lb.

**AGAR.**—Little interest is being taken in this item. A bale or two of unrestricted Kobe No. 1 occasionally goes into consumption at prices ranging from 6os. to 75s. per lb. Small supplies of bacteriological are offered at about 25s. to 30s. per lb., but little business is passing.

**ALOE.**—Cape firmer on spot at about 6os. to 62s. 6d. per cwt., according to holder; forward, about 50s. per cwt., c.i.f. The forward price of Curaçao is about 45os. per cwt., but no spot stocks appear to be available.

**ANTIMONY.**—No changes have been recorded in the price of this metal. English minimum 99 per cent. regulus remains at £120 per ton, delivered, and 70 per cent., for the home trade, at £100 per ton delivered.

**ARECA NUT.**—Spot supplies appear to have been cleared.

**BALSAMS.**—Demand for *Tolu* continues fair, but it is doubtful if any remains at 9s. 3d. per lb., 9s. 6d. per lb. now being asked. Other varieties are unchanged, as follows: *Copaiba*, B.P., 9s. per lb., nominal; *Peru*, about 7s. 9d. per lb.; *Canada*, about 7s. 6d. per lb., ex store U.K., duty paid.

**BENZON.**—In moderate inquiry. Spot price of Sumatra direct to consumers would be about £12 to £15 per cwt., according to quality. The price of free almondy would be in the region of £30 per cwt.

**BISMUTH METAL.**—No change has occurred in last week's price of 6s. 3d. per lb. for minimum 5-cwt. lots of high-grade metal.

**BUCHU.**—The Import Licensing Department of the Board of Trade announced last week that the Board was prepared to consider applications to import buchu leaves from South Africa. In the meantime, spot supplies are being held for about 6s. per lb.

**CALUMBA ROOT.**—Dealers' spot price for any available supplies of good washed root would be in the region of 160s. per cwt.

**CAMPHOR.**—Business moderate, with current prices to approved buyers as follows: Chinese B.P. powder, about 11s. 6d. per lb.; Chinese crude (92 per cent.), about 10s. per lb.; Japanese slabs, about 11s. 6d. per lb. Restricted quantities of English synthetic, B.P., are understood to be available to approved consumers at 7s. per lb.

**CANTHARIDES.**—Spot supplies appear to be exhausted, and no quotations are available.

**CARDAMOMS.**—Quiet. Aleppy greens, spot, about 5s. 6d. to 5s. 9d. per lb.; shipment, 4s. 4½d., c.i.f. Aleppy seed, spot, about 5s. 9d.; shipment, 5s. 3d., c.i.f. Split seed, spot, about 4s. 9d. per lb.

**CASCARA SAGRADA.**—Unchanged, with the price of Lease-Lend material at 150s. per cwt., ex store.

**CASCARILLA.**—A fair quantity is reported to have been sold during the week, and quills appear to have been cleared. Dealers' price for siftings remains at about 2s. 6d. per lb.

**CHILLIES.**—Values of all grades are unchanged. Zanzibar, spot, 180s. per cwt.; Mombasa, 180s., sellers; Sierra Leone and Sudan, both 175s. per cwt., duty paid.

**CLOVES.**—Unchanged, with Zanzibar quoted on spot at 2s. 4d. per lb., sellers; Madagascar, unquoted.

**COCHINEAL.**—Any available spot supplies of grey would be worth about 5s. per lb.

**COCOA BUTTER.**—The official maximum price remains at rs. 5½d. per lb., ex factory or warehouse, except under Ministry of Food licence.

**COCONUT (DESICCATED).**—The maximum price as fixed by a Ministry of Food Order is 49s. per cwt.

**COLCHICUM.**—Indian, in small supply on spot, approximately 2s. 9d. to 3s. per lb.

**COLOCYNTH.**—Spot supplies appear to be exhausted and no quotations are available.

**DANDELION ROOT.**—Little is available in London. Indian is quoted on spot by dealers at around 125s. to 135s. per cwt., according to quantity.

**DERRIS ROOT.**—The position is unchanged.

**DIGITALIS LEAVES.**—Portuguese leaves are obtainable on spot at approximately 115s. per cwt., ex store.

**DRAGON'S BLOOD.**—Some poor-quality is reported offered on spot at about £35 per cwt. Fair re-boiled, if available on spot, would be worth approximately £45 per cwt.

**ERGOT.**—In some inquiry, with business generally quiet. Spot, unchanged at about 7s. 6d. per lb.; shipment, in the region of 7s. to 7s. 1½d. per lb., c.i.f.

**GINGER.**—Quotations remain nominal, pending the fixing of maximum prices by the Ministry of Food. West African spot, 185s. per cwt. Cochin, unwashed, spot, 182s. 6d. quoted.

**GRAINS OF PARADISE.**—Small supplies are obtainable from spot holders at about 1s. 10 per lb.

**GUM ACACIA.**—Unrestricted Kordofan clean sorts is quoted on spot at about 230s. per cwt. and restricted at about 192s. 6d.; shipment unchanged at 70s. per cwt., nominal, c.i.f.

**HONEY.**—The Minister of Food has made Order replacing the Honey (Maximum Price) Order, 1941. The new Order came into force on March 29. Revised price schedules for first hand and wholesale sales are as follows:—

Extracted honey	On a first-hand sale Rate per doz. containers each containing		On a sale by wholesale Rate per doz. containers each containing	
	½ lb.	1 lb.	½ lb.	1 lb.
Imported (other than specified brands) ..	s. d. 9 3	s. d. 15 6	s. d. 10 2	s. d. 17 0
Imported (specified brands) ..	s. d. 9 8	s. d. 16 3	s. d. 10 7	s. d. 17 10

**HYDRASTIS.**—Unchanged, with Lease-Lend material available to users at 22s. 6d. per lb. ex store, repacking extra.

**IPECACUANHA.**—Not much business passing. Matto Grosso, spot, about 18s. to 18s. 3d. per lb.; shipment, new-crop, May-June, about 16 c.i.f. Minas, spot, B.P., about 12s. 3d. per lb. not quite B.P., about 11s. 9d.; shipment around 11s. 3d. to 11s. 6d. per lb., c.i.f. Current prices for EXT. IPECAC. LQ., in winches quarts, are as follows: B.P., 1932, under three 26s. per lb.; three and under six, 25s. 6d.; and under twelve, 25s.; twelve and over, 24s. 6d. per lb. B.P., 1914, under three, 24s. 6d.; three and under six, 23s. 6d.; six and under twelve, 23s.; twelve and over, 22s. 6d. per lb., all prices net.

**JABORANDI.**—The spot value of fair quantity would be in the region of 55s. to 60s. per cwt. but higher prices would be wanted for small lots.

**LEPTANDRA ROOT.**—The price to users small supplies imported from the United States under the Lease-Lend arrangement will be 1s. 10d. per lb., ex store.

**LIQUORICE ROOT.**—Some Russian root is available on spot to approved buyers at 1s. 10d. per ton.

**LOBELIA HERB.**—Limited quantities, imported from the United States under the Lease-Lend arrangement, will be available for contribution at 2s. 8d. per lb., ex store.

**MENTHOL.**—Chinese is in better inquiry, a little is available at under 71s. per lb., so holders even asking 72s. 6d. For any Japanese left on spot about 75s. would be wanted.



**UTMEGS.**—Unchanged. West Indian, spot, and unassorted, 2s. 2d. per lb.; wormy and sen, rs. 10d.; 90's, 2s. 3d.; 80's, 2s. 7d., nominal; Eastern brown, 80's, nominal.

**LUX VOMICA.**—Steady business in smaller lots. Thin, washed and garbled, about 37s. 6d. per cwt. on spot.

**RANGE PEEL.**—Small supplies, if available spot, would be worth about 3s. to 3s. 6d. lb., according to grade and holder.

**PEPPERS.**—Unpicked whole black Lampong, in bond, 5d. per lb.; white Muntok, 8d.

**PEPIMENTO.**—Sellers on spot at 2s. 2d. per lb.; ment, May-June, 155s. per cwt., c.i.f., nominal.

**MYRETHRUM FLOWERS.**—American sources report that, during October 1941, 580 tons of myrthrum flowers were shipped from Kenya to the United States, out of total exports of 600 tons.

**GUASSIA CHIPS.**—Spot supplies appear to be exhausted, but some replenishments are expected.

**CHUBARB.**—In fair inquiry, with values changed. Rough-round, spot, about 7s. 3d. 7s. 9d. per lb. Small supplies of Shensi herb be obtainable on spot at around 9s. 6d. 10s. per lb.

**SARSAPARILLA.**—Native reddish, on spot, about 2s. 9d. to 3s. per lb., according to quantity.

**GENEGA.**—A few odd bales are to be had on spot at around 7s. 3d. to 7s. 6d. per lb.

**GENNA.**—Alexandrian medium hand-picked, about 4s. 6d. to 5s. 6d. per lb.; Alexandrian leaves, siftings, about 1s. 3d. per lb.; newly pods, rs. 3d. to 1s. 5d. per lb. for selected and about 8d. per lb. for f.a.q.

**HELLAC.**—Quiet and unchanged. Standard orange, spot, 197s. 6d. per cwt., value; pigment, unquoted. Pure button, unquoted; orange, 240s. to 290s. quoted.

**STRAMONIUM LEAVES.**—Dealers' spot quotations for Indian leaves are at approximately 5s. to 105s. per cwt.

**CONKA BEANS.**—Supplies are rather difficult to find, and the spot price would be in the region of 6s. 3d. to 6s. 6d. per lb.

**FRAGACANTH.**—The principal medium grades at again lower values, as follows: No. 1, white, £135; No. 2, white, £125; No. 3, white, 0; pale leaf, £90; amber leaf, £70; red brown leaf, £45; red leaf, from £40; body and hoggy, from £20, ex store.

**VAXES.**—BEES'.—Nominal on spot at 295s. cwt.; in bond, no quotations; Dar-es-Salaam, no quotations; Japanese, 340s.

**FRANAUBA.**—Fatty grey, 540s.; chalky grey, 5s.; Primeira, 620s. per cwt.

**WILD CHERRY BARK.**—Limited supplies will be obtainable at 9d. per lb., with extra for packing, from stocks imported from the United States under the Lease-Lend arrangement (C. & D., April 18, p. 444).

## Essential and Expressed Oils

**ANISE (STAR).**—In steady inquiry, with odd drums selling on spot at around 49s. to 50s. per lb.; tins in cases, about 50s. to 51s., according to seller.

**BAY.**—Any available supplies would be worth about 10s. to 12s. per lb.

**BERGAMOT.**—The price of any remaining supplies would be a matter for negotiation, around 100s. per lb. being a basis.

**BOIS DE ROSE.**—Spot price would be in the region of 35s. per lb., with further increases possible.

**CAJUPUT.**—Values are firm but unchanged at about 15s. per lb. on spot.

**CANANGA.**—Spot, in poor supply, nominal at 60s. per lb.

**CASSIA.**—Spot stocks are exhausted, and no quotations are available.

**CEDARWOOD.**—Spot, nominal at 6s. 6d. per lb.

**CITRONELLA.**—The spot price of Ceylon remains firm in the region of 16s. 3d. per lb. Java would be worth approximately 19s. per lb.

**CLOVE.**—No change has been notified in English distillers' prices of from 15s. 6d. to 18s. per lb.

**EUCALYPTUS.**—Spot values are maintained at between 5s. 9d. and 6s. per lb. for 70 to 75 per cent. oil, but small quantities would be dearer.

**GERANIUM.**—Nominal and a matter for negotiation.

**GINGERGRASS.**—Spot supplies are available at approximately 25s. per lb.

**GROUNDNUT.**—Refined deodorised is officially quoted at £44 10s. per ton, naked ex works.

**LAVENDER.**—The spot value of any good quality oil would be in the region of 85s. per lb.

**LEMONGRASS.**—Firm, with spot values unchanged at 18s. 6d. to 20s. per lb., according to quantity.

**LINSEED.**—The official price of crude remains at £41 10s. per ton, naked ex works.

**PALMAROSA.**—Spot, about 35s. per lb.; shipment, about 27s. per lb., c.i.f.

**PATCHOULI.**—Nominal at 70s. per lb.

**PEPPERMINT.**—Demand continues, but spot supplies are difficult to locate. Odd cases of Chinese are reported to be available at around 80s. per lb.

**PETITGRAIN.**—Spot, if available, would be worth around 25s. per lb.

**ROSE (OTTO).**—Any available spot supplies would be worth about 300s. per oz.

**SANDALWOOD.**—Genuine East Indian Mysore remains at 30s. per lb., for delivery in one-case lots. Australian would be at about 28s. 6d.

**THYME.**—Medium quality, on spot, is valued at about 16s. per lb., but higher phenol-containing oils would be dearer.

**WORMSEED.**—Spot price is nominal at 25s. per lb.

## CORRESPONDENCE

Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor

SIRS.—Re your article "Purchase Tax on Labels" (*C. & D.*, April 25, p. 472), it would seem that the only class of labels to bear the tax are the ones that can really be regarded as essential, viz., those used on genuine medicines supplied on prescriptions where specific directions are given by the prescriber. Once again the chemist is called on to pay the piper while the patent medicine makers get their labels free of tax. This is rather a blatant example of string pulling by the vested interest. The tax yield on labels for proprietaries would yield far more than the tax which will accrue from dispensing labels.

Yours truly,  
Lincoln. S. P. WILLIAMS.

## MISCELLANEOUS INQUIRIES

**Castellani's Fuchsin Pigment.**—*L. C.*—This consists of a mixture of saturated alcoholic solution of basic fuchsin, 10 c.c., and phenol solution (5 per cent.), 100 c.c. This solution is filtered and to it should be added boric acid 1 gm., and after the lapse of two hours 5 c.c. of acetone. After a further two hours 10 gm. of resorcinol are added. The solution should be stored in dark, stoppered bottles.

**Grey Hair.**—*R. J. T.*—The latest work on grey hair and its prevention is the recognition of so-called anti-grey-hair vitamin—a member of the vitamin B complex and recently identified as *p*-aminobenzoic acid. In December 1940, British workers found that *p*-aminobenzoic acid was a constituent of yeast. In 1941, it was reported that the substance restored the natural pigmentation of the fur of rats made grey by nutritional deficiency. It was further found that the substance also alleviated other conditions that the results indicate were due either to nutritional deficiency or to faulty metabolism. One of the conditions remedied by the compound was vitiligo, a skin disease consisting in the development of smooth whitish spots due to the disappearance of the natural pigment of the skin. The results observed seem to indicate that it was due either to a deficiency in the anti-grey-hair vitamin or to the inability of the body to utilise it properly. In America about 300 patients of both

sexes, aged sixteen to seventy-four years were treated with *p*-aminobenzoic acid during about five months. These patients had varying degrees of greyness from two to twenty-four years. The treatment consisted in oral administration of tablets, each containing 100 mgm. of *p*-aminobenzoic acid, in doses ranging from one half tablet twice a day to one tablet six times a day. It was found that the colour of the hair was restored to these patients, who had become grey prematurely or otherwise.

## RECENT RESEARCH

**Replacing Cereals by Potatoes.**—Attempt to use home-grown potatoes in place of imported grains in cattle and poultry rations have recently been reported (*Ann. Report, 1941, of the Ovaltine Research Laboratories*). A group of pedigree Jersey cows was taken indoors and put on winter rations in which various cereal products were gradually replaced by potato slice. At the same time a control group of similar animals was kept indoors on the winter rations to which no potatoes were added. At the end of six months when potatoes had entirely replaced cereal products and were supplying 83 per cent. of the total carbohydrates in the diet, the cows receiving potatoes were in excellent health and the milk yield was equal to that of the control group. Periodic analysis of the milk showed that the potato diet had not affected the milk constituents. The fact that when the cows were receiving no bran, their milk contained as much vitamin B<sub>1</sub> as the milk from the control group indicated that there had been little loss of the vitamin in drying the potatoes. These results indicate the possibility that large quantities of cereal products of high food value can be rendered available for human consumption, while national milk production does not suffer and may even be increased. The experiments on poultry are still in progress.

## COMING EVENTS

Wednesday, May 6th

GUILD OF PUBLIC PHARMACISTS, 17 Bloomsbury Square, London, W.C.1, at 6 p.m. Dr. K. Simpson on "Common Sense and Science in Crime."

Wednesday, May 13th

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN, Friends' House, Euston Road, London, N.W.1, at 2.30 p.m. Dr. Hamill on "Prescribing in War-time"



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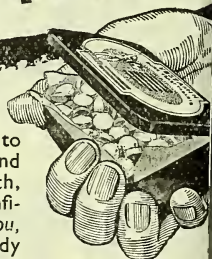
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*sufferers are always  
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The Original and still the Best Remedy for  
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	£11 2 9	£17 6 6
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10Z. LIQUID (100 c.c.) ..	£1 18 3	£2 15 3
10Z. OINTMENT ..	13 6	19 6
	£3 17 3	£5 7 3

The above prices do not include Purchase Tax.



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BRITISH *Homburg* PHARMACEUTICAL PREPARATION

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The heavy demands by the Government for home-produced supplies of natural vitamin C for young children have inevitably reduced the amount of Ribena Blackcurrant Syrup available for the general public.

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FOR GAS-MASK EYEPieces

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The Original



BRITISH MADE Pat. No. 532906

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Trade: 6/- per doz.; 3 doz.	Trade: 6/- per doz.; 3 doz.	Trade: 6/- per doz.; 3 doz.
5/6 per doz., post paid.	5/6 per doz., post paid.	5/6 per doz., post paid.
Plus Purchase Tax, 1/- per doz. Plus Purchase Tax, 2/- per doz.		

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Established 1813



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Not only a temporary relief

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Sales possibilities of PLESOX have been tested in the past few years both by national advertising and direct mail propaganda and have given most satisfactory results in the form of many repeat orders and recommendations by satisfied users. In this way the undoubted value and ready acceptance of PLESOX has been established beyond doubt. Future sales of PLESOX are to be conducted through High Class Chemists. National advertising will bring many enquiries to you. Apply immediately for freely distributed descriptive pamphlets, window bills, and attractive counter display packs. Special offer for initial order.

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24/- per doz.

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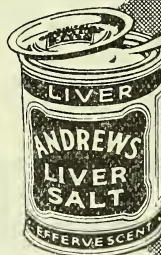
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**FEMALE PILLS**

10d. **BOX PROFIT** by ordering 1 dozen 2/10 sd  
Bonus box given on every dozen (13). It pays  
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N.B.—These Pills do not contain any deleterious  
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The demand  
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**MODERN  
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Literally chemistry has some reason to be called "the black art." According to etymologists the root word is KHEM, the native name for Egypt, where the science had its reputed beginnings. This root word means "Black" in reference to the colour of the rich soil of the Nile Valley.

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*Manufacturing Chemists*  
LINTHWAITE · HUDDERSFIELD

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*the Tablet which helps the Asthmatic to do his  
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**INTERNATIONAL  
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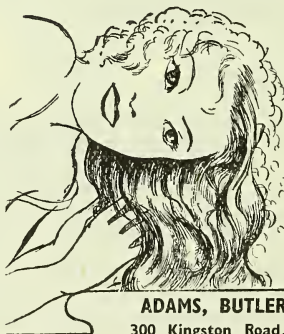
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THE BRITISH MINERAL WATER

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12/- PER DOZ.  
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# INTERNATIONAL CHEM. CO. LD.

WE regret that, owing to the increasing difficulty of transport, labour and packing materials, we can now only supply our main well-known pharmaceuticals in the standardised parcels below. At the same time we are also compelled to make £5 the minimum direct order that we can accept for the time being. This amount can be made up with "A" parcel alone or any two of the other combinations. We feel sure that we can count on the co-operation of our chemist friends in accepting this regrettable war-time necessity.

## STANDARD PARCELS

<b>A</b>	1 doz. 1/5 Bismag Powder	. . 12 0
2 "	1/5 " Tablets	. . 1 4 0
2 "	7d. " "	. . 9 8
1 "	2/10 " "	. . 1 4 0
1 "	1/9 Pineate Honey Cough-Syrup	. . 13 9
1 "	2/3 Limestone Phosphate	. . 18 0
1 "	1/5 Freezone Corn Remover	. . 11 3
		<u>£5 12 8</u>

<b>B</b>	1 doz. 1/5 Bismag Powder	. . 12 0
1 "	1/5 " Tablets	. . 12 0
3 "	7d. " "	. . 14 6
$\frac{1}{2}$ "	2/10 " "	. . 12 0
		<u>50 6</u>

<b>C</b>	1 doz. 1/5 Bismag Powder	. . 12 0
2 "	1/5 " Tablets	. . 24 0
3 "	7d. " "	. . 14 6
		<u>50 6</u>

<b>D</b>	1 doz. 1/5 Bismag Powder	. . 12 0
2 "	1/5 " Tablets	. . 24 0
1 "	2/10 " "	. . 24 0
		<u>60 0</u>

<b>E</b>	1 doz. 1/5 Bismag Powder	. . 12 0
$\frac{1}{2}$ "	2/10 " "	. . 12 0
2 "	1/5 " Tablets	. . 24 0
$\frac{1}{2}$ "	2/10 " "	. . 12 0
		<u>60 0</u>

<b>F</b>	2 doz. 1/5 Bismag Tablets	. . 24 0
3 "	7d. " "	. . 14 6
$\frac{1}{2}$ "	2/10 " "	. . 12 0
		<u>50 6</u>

<b>H</b>		
	4 doz. 1/9 Pineate Honey Cough-Syrup	. . . . 55 0

<b>J</b>	2 doz. 1/5 Freezone Corn Remover	. . 22 6
1 "	2/3 Limestone Phosphate	. . 18 0
1 "	1/9 Pineate Honey Cough-Syrup	. . 13 9
		<u>54 3</u>

<b>K</b>	3 doz. 1/9 Pineate Honey Cough-Syrup	. . . . 41 3
1 "	1/5 Freezone Corn Remover	. . 11 3
		<u>52 6</u>

<b>L</b>	1 doz. 1/5 Bismag Powder	. . 12 0
$\frac{1}{2}$ "	2/10 " "	. . 12 0
1 "	1/5 " Tablets	. . 12 0
2 "	7d. " "	. . 9 8
$\frac{1}{2}$ "	2/10 " "	. . 12 0
		<u>57 8</u>

<b>M</b>	6 doz. 1/5 Freezone Corn Remover	. . . . 67 6
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**BONUS:** Bisurated Magnesia parcels will contain appropriate bonus in Mint Powder and 7d. Tablets

**TERMS:** As well as "A" Parcel or any two of the Parcels "B" to "M" a selection of our other preparations, such as Alkia Saltrates, Bisuroids, Nemakol and Nemolin, may be added to the order. Toilet lines may also be included to the value of your quota. Our co-operation allowances are as follows:—

On orders of £5 . . . . 7½%      £10 . . . . 10%

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ORGANO-THERAPEUTICAL PRODUCTS

## OXO LABORATORY PREPARATIONS

### HORMONES

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Tablets: 1000 I.U.

Ampoules: 1000-50000 I.B.U.

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Indications: As for Oestrin.

A highly potent œstrogenous substance for oral administration.

Tablets: 0.5 mg., 1.0 mg. and 5.0 mg.

Ampoules: 1.0 mg. and 5.0 mg.

#### "PITOXYLIN" (PITUITARY EXTRACT— POSTERIOR LOBE)

Licensed and standardised in accordance with the Therapeutic Substances Act.

For the Induction of Labour; Uterine Inertia; Post Partum Hæmorrhage; Surgical Shock; Diabetes Insipidus.

Ampoules: 5, 10 and 20 I.U.

#### ADRENALIN

Useful for the treatment of Asthma; Epistaxis; Tonsillitis; Hay Fever; Influenzal Crisis; Surgical Shock; etc.

Solution: 1 in 100 and 1 in 1000.

Ampoules: 1 in 1000.

*Literature supplied on application.*

**OXO LIMITED, Thames House, London. E.C.4**



OXO LABORATORY PREPARATIONS



100/251





# The CHEMIST AND DRUGGIST

## SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

MAY 2  
1942

28, ESSEX STREET, LONDON, W.C.2

### CLASSIFIED SUPPLEMENT ADVERTISEMENTS

All classified advertisements must be prepaid—those not accompanied by remittance will be held over pending payment. Advertisements received after FIRST POST WEDNESDAY of week of issue will not be inserted until the following week.

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7/6 for 36 words or less, 2d. for every additional word.

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1/9 per nonpareil line. (12 lines = 1 inch, single column.)

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Phone, BERMONDSEY 3411

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Liquid Soap, 5 gallons, 40/-, drums included (Tax paid); French Chalk, Gen. Superfine, 00 lb., 26/-; Snow-white Calcine Talc (Cosmetic Quality), cwt. 30/-; Kaolin, B.P., Opt., 1/2 cwt., 31/3, d/d; White Fullers Earth, wt. 25/-; Gum Karaya, Pulv., best White, wt. 5/- lb.; Gum Tragac., Pulv., White II, wt., 11/- lb., d/d; Plaster of Paris (suit Dental), 0/- cwt.; Jap Menthol (recovered), 5-lb. tins, 5/- lb.; Spermaceti, B.P., 60 lb. boxes, 2/3 lb.; Acetone; Amyl Acetate; Zinc Oxide, B.P., and Stearate; Phenacetin; Stearic Acid powder, and Block. Any want quoted. Cwt. prices on application. No broken bulk. C.W.O.

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Chemists are permitted to make Proprietaries (including Cosmetics) for Retail Sale at the rate of £41 13s. 4d. per month, (Board of Trade Order, S.R. & O., 1941, 1686.) We can supply the raw materials, including Essential Oils, Colours, Packings and Instructions for the manufacture of the following:—

5 lb. FACE POWDER, 20/6, tax 13/8, all.

5 lb. BATH TALCUM, 12/6, tax 8/4, all.

1 lb. ROUGE POWDER, 20/6, tax 13/8 all.

Terms: C.W.O. or C.O.D. 1/- extra.

**HARMAN DIETETIC LABORATORIES, LTD.**

109 BROADWAY, CRICKLEWOOD, N.W.2

### Fragrant Tonic Hair Cream

"Makes the Hair behave"

Prepare your own supplies of this high grade cream, easy to make up, costs less than 1d. per oz. All materials available, including smart gold seal labels. B.P. Castor Oil, Agar Agar, Gum Tragacanth, Emulsifying Wax, Beeswax, Ceresine Wax, Spermaceti, Bottles, Screw caps and corks. Send for List.

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**Earn Additional £5 per week**  
Representatives, calling on Medical Practitioners, required to carry, as additional lines, well known, widely advertised Ethical Products for sale direct to the Profession.

Generous commission (no expenses) capable of producing £5 per week to an active salesman.

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Tablet Manufacturers are in a position to accept Contracts or Sub-Contracts for tableting (including Saccharin), in large or small quantities. Own materials tableted, also to your own formulae. Packing facilities available and prompt delivery assured. Competitive price. Send enquiries CDB/1005 London Office of this Paper.

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Together with formula for use, 7/6 lb.

Postage Paid, Cash with order.

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**SULPHONATED LAURYL ALCOHOL  
SUBSTITUTE** (for Preparing Soapless  
Shampoos), 3/6 lb.

**LIQUID STOCKING COLOURS** (Beige,  
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CONTAINERS for same, 2/- doz.  
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**A** GOOD position is offered to an Unqualified Assistant (male or female) who has experience of good class dispensing and pharmacy. Particulars of age, experience, etc. B. Salter & Son, 34 Castle Street Shrewsbury.

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**M**.P.S., elderly, required for Dispensing, S.W. 1. London. Easy hours and work. Please state salary required, etc. 402/737, London Office of Paper.

**Q**UALIFIED and Unqualified Assistant either required. Dispensing and counter. Permanent. No Sunday or holiday duty. Please state experience, salary required, and when free, to Mana Pharmacy Department, Ipswich Industrial Co-operative Society Ltd., 38 Carr Street, Ipswich.

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